

PRODUCT SELECTION GUIDE



Order Online!

... Or From Participating Distributors!



Automated Cable Processing



CNC Machining



Electrical Design Engineering



RF Chamber Test Facilities



Injection Molding



PC Board Design, Prototype & Production

Voyager™ - Patented Internal Match



Phantom® - Patented Field Diversity



Genesis™ - Patented Solid State Wideband Technology



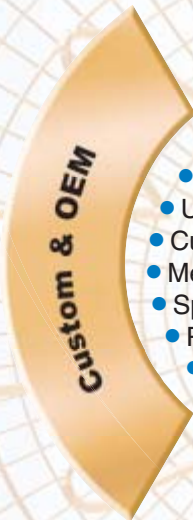
- Over 1,000 available stock designs
- Nearly 6,000 model combinations
- Optimized designs
- Finest craftsmanship
- Highest grade materials
- Patented features
- Ready to ship
- Competitively priced



- Field diversity Phantom®
- Internally matched Voyager™
- Wideband antenna technology
- Hole saws
- Low profile Discadoo™ technology



For our full selection of 6,000+ models visit our website



- RF design
- Injection molding
- Ultrasonic welding
- Custom machining
- Mechanical design
- Spring and coil windings
- PC board design, prototype & production
- Injection mold tool design & construction
- In house RF chamber test facilities



Multiversity - Patented Indoor Solution



X-ACT™ Installation Saw Patented Design

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- Models are accurate at the time of printing. Prices, designs and specifications are subject to change.
- Merchandise return subject to prior approval.
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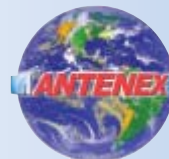
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"Parliamo in italiano."
"Chúng tôi nói tiếng việt rất thông thạo."

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International Credit
is Available!

Phantom® Antennas Patented Whipless Performance

Our unique patented Phantom® is a tough antenna for outdoor or indoor applications. The Phantom® revolutionary design features field diversity with both vertical and horizontal polarization components. This gives the antenna diversity, frequency agility, low visibility, wide bandwidth and a low angle radiation pattern that is superior to traditional gain antennas in most applications.

The industry standard NMO mounting socket mates with all ANTENEX® Magnetic, Trunk lid, and hole mounts. We also provide a threaded stud mount model for vandal resistant mounting on brackets, panels, ceilings or any other kind of housing.

The Phantom® patented technology is beneficial when high performance is desired and extreme ruggedness and low profile is required.



Indoor Enhancement



Wireless Data Collection

Product Courtesy of Gastronics, Inc.



PCS



Vending

The ANTENEX® Phantom® Antennas are Ideal for Vending, Data, Mobile Transit, and PCS Applications.



TRA4503P Permanent Mount



TRA8063



TRA4503



TRAB8063



TRAB4503

Custom Tuning Available on Phantom® models for only \$10.00

Ordering Guide - Clear, Easy & Sensible!

TRA9023 = Phantom® Antenna Model, White, 902-928 MHz, 3 dB-MEG.

TRA	Antenna Style	Phantom® Low-Profile Transit Antenna		
Blank	Finish	Blank = White B = Black		
902	Frequency	Frequency component of part number in bold below: 142-164 150-174 210-230 410-425 430-450 450-470 470-490 806-866 821-896 890-960 902-928 2400-2500		
3	Gain	0 = Unity 3 = 3 dB-MEG		
Blank	Mount	Blank = Normal Model N = No Ground Plane Model		
Blank	Mount Option	Blank = 3/4" Screw Base P = Permanent Hole Mount		

US Patent Number: 5,977,931

WHITE MODELS

Model	Frequency Range	Radome Height	Gain
VHF UNITY MODELS			
TRAT1420	142-160 MHz	3.30"	Unity
TRAT1500	150-168 MHz	3.30"	Unity
TRAT1560	162-172 MHz	3.30"	Unity
TRA2100	210-225 MHz	3.30"	Unity

UHF 3 dB-MEG MODELS

TRA4103	410-425 MHz	3.30"	3 dB-MEG*
TRA4303	430-450 MHz	3.30"	3 dB-MEG*
TRA4503	450-470 MHz	3.30"	3 dB-MEG*
TRA4703	470-490 MHz	3.30"	3 dB-MEG*

800 MHz to 2.4 GHz 3 dB-MEG MODELS

TRA8063	806-866 MHz	2.30"	3 dB-MEG*
TRA8213	821-896 MHz	2.30"	3 dB-MEG*
TRA8903	890-960 MHz	2.30"	3 dB-MEG*
TRA9023	902-928 MHz	2.30"	3 dB-MEG*
TRA24003	2400-2500 MHz	2.30"	3 dB-MEG*

900 MHz to 2.4 GHz NGP 3 dB-MEG MODELS

TRA9023N	902-928 MHz	3.30"	3 dB-MEG*
TRA24003N	2400-2500 MHz	3.30"	3 dB-MEG*

UHF PERMANENT 3 dB-MEG MODELS

TRA4303P	430-450 MHz	3.30"	3 dB-MEG*
TRA4503P	450-470 MHz	3.30"	3 dB-MEG*
TRA4703P	470-490 MHz	3.30"	3 dB-MEG*

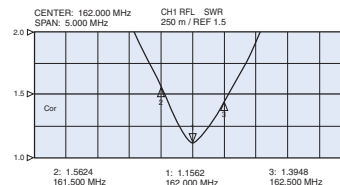
800 MHz to 2.4 GHz PERMANENT 3 dB-MEG MODELS

TRA8063P	806-866 MHz	2.30"	3 dB-MEG*
TRA8213P	821-896 MHz	2.30"	3 dB-MEG*
TRA24003P	2400-2500 MHz	2.30"	3 dB-MEG*

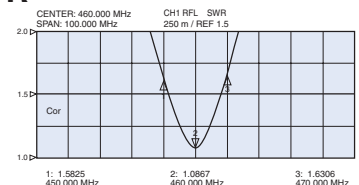
800 MHz to 2.4 GHz PERMANENT NGP 3 dB-MEG MODELS

TRA8213NP	821-896 MHz	2.30"	3 dB-MEG*
TRA8903NP	890-960 MHz	2.30"	3 dB-MEG*
TRA9023NP	902-928 MHz	2.30"	3 dB-MEG*
TRA24003NP	2400-2500 MHz	2.30"	3 dB-MEG*

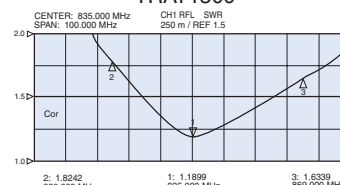
VSWR



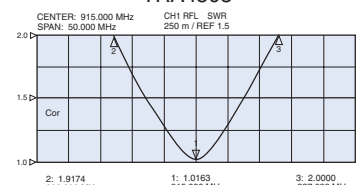
TRAT1500



TRA4503



TRA8063



TRA9023N

BLACK MODELS

Model	Frequency Range	Radome Height	Gain
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VHF UNITY BLACK MODELS

TRABT1420	142-160 MHz	3.30"	Unity
TRABT1500	150-168 MHz	3.30"	Unity
TRABT1560	156-172 MHz	3.30"	Unity
TRAB2100	210-225 MHz	3.30"	Unity

UHF 3 dB-MEG BLACK MODELS

TRAB4103	410-425 MHz	3.30"	3 dB-MEG*
TRAB4303	430-450 MHz	3.30"	3 dB-MEG*
TRAB4503	450-470 MHz	3.30"	3 dB-MEG*
TRAB4703	470-490 MHz	3.30"	3 dB-MEG*

800 MHz to 2.4 GHz 3 dB-MEG BLACK MODELS

TRAB8063	806-866 MHz	2.30"	3 dB-MEG*
TRAB8213	821-896 MHz	2.30"	3 dB-MEG*
TRAB8903	890-960 MHz	2.30"	3 dB-MEG*
TRAB9023	902-928 MHz	2.30"	3 dB-MEG*
TRAB24003	2400-2500 MHz	2.30"	3 dB-MEG*

900 MHz to 2.4 GHz NGP 3 dB-MEG BLACK MODELS

TRAB9023N	902-928 MHz	2.30"	3 dB-MEG*
TRAB24003N	2400-2500 MHz	2.30"	3 dB-MEG*

UHF PERMANENT 3 dB-MEG BLACK MODELS

TRAB4303P	430-450 MHz	3.30"	3 dB-MEG*
TRAB4503P	450-470 MHz	3.30"	3 dB-MEG*
TRAB4703P	470-490 MHz	3.30"	3 dB-MEG*

800 MHz to 2.4 GHz PERMANENT 3 dB-MEG BLACK MODELS

TRAB8063P	806-866 MHz	2.30"	3 dB-MEG*
TRAB8213P	821-896 MHz	2.30"	3 dB-MEG*
TRAB24003P	2400-2500 MHz	2.30"	3 dB-MEG*

900 MHz to 2.4 GHz NGP 3 dB-MEG PERMANENT BLACK MODELS

TRAB9023NP	902-928 MHz	2.30"	3 dB-MEG*
TRAB24003NP	2400-2500 MHz	2.30"	3 dB-MEG*

*Gain on a Phantom® antenna is measured in dB-MEG.

For more information on dB-MEG, visit our website at <http://www.antenex.com>.

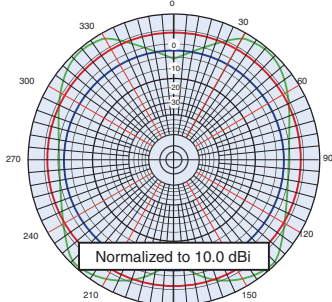


Phantom® Cutaway



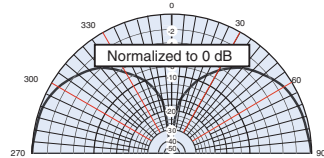
TRABT1420 VHF Field Tunable with Easy Tuning Port with the use of a 1/16" Allen key

Typical Field Pattern for 3.0 dB - MEG Phantom



— E-Plane: Vertical Pattern for Vertical Polarization
— Elevation Cut: Elevation Pattern from Phantom™ to Illuminated Signals
— H-Plane: Horizontal Pattern for Horizontal Polarization

Typical Vertical Field Pattern for VHF Phantom (0 dB - MEG)



Features & Benefits

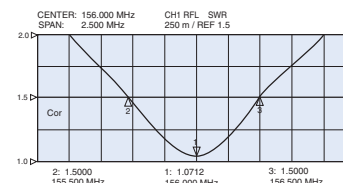
Whipless Design: The patented whipless design of our Phantom® antenna allows car washes without removing the antenna. Whipless means they don't look like antennas, attract less attention, less vandalism, and have lower wind resistance. The Phantom® is also less susceptible to damage by trees, garages or other obstructions.

Field Diversity: Field diversity means that the antenna is simultaneously sensitive to both the electric and magnetic fields of the signal, like having two antennas. Field diversity makes the antenna resistant to the picket-fence fading and multipath nulls that are found in urban operation and undulating mobile environments.

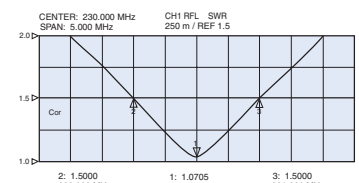
Permanent Mounting: Permanent mount versions of the UHF and higher frequency models are available for high risk applications such as metering where antennas must resist vandalism and achieve economical mounting.

Versatile: Excellent for voice or telemetry applications.

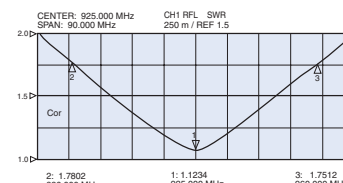
VSWR



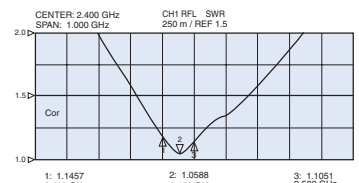
TRABT1420



TRAB2100



TRA8903



TRAB24003

Technical Data - Product Features & Information

	142-172 MHz	210-225 MHz	
• Gain:	Unity	Unity	
• Frequency Range:	142-160 MHz 150-168 MHz 162-172 MHz	210-225 MHz	
• VSWR:	<1.5:1 850 kHz <2.0:1 1.5 MHz	<1.5:1 2.2 MHz <2.0:1 4.0 MHz	
• Maximum Power:	60 watts	100 watts	
• Bandwidth:	1 MHz	4 MHz	
• Impedance:	50 ohms	50 ohms	
• Height:	3 1/2" / 2 3/4"	2 3/4"	
• Gain:	410-490 MHz 3 dB-MEG	800-900 MHz 3 dB-MEG	2400 MHz 3 dB-MEG
• Frequency Range:	410-425 MHz 430-450 MHz 450-470 MHz 470-490 MHz	806-866 MHz 821-896 MHz 890-960 MHz 902-928 MHz	2400-2500 MHz
• VSWR:	<1.5:1 10 MHz <2.0:1 20 MHz	<1.8:1 170 MHz	<1.5:1 100 MHz
• Maximum Power:	150 watts	150 watts 100 watts NGP	100 watts
• Bandwidth:	>20 MHz	>70 MHz	>100 MHz
• Impedance:	50 ohms	50 ohms	50 ohms
• Height:	3 1/2"	2 1/2"	3 1/2"

GPS^x™ Antenna *The Rugged GPS Antenna*

AVL Disc Antenna Low Profile/Dual Band GPS Phantom[®]



GPSU15M

GPS^x™ NMO

- NMO Mountable - Installs Easily
- Small Size - 17/16 inches Tall & 25/8 inches in Diameter!
- Gold Plated Pushpin Contact
- Optimized Microstrip-to-NMO Design



GPSD4503P

Dual Band GPS^x™ / Phantom[®]

- Low Profile
- Dual Band-GPS with 450 MHz
- Phantom[®] Element for Field Diversity
- Optimized Mutual Coupling Design



The Survivor
GPSDVHF

The Survivor GPS^x™

- Dual Band GPS/VHF
- Internally Potted
- Designed for Heavy Equipment
- Heavy Duty Spring
- Ideal for ORBCOMM[®] Applications



GPSU15BNC

Utility GPS^x™

- Low Profile
- Magnetic or Self Adhesive Base
- 14' RG174 Thin Coax Cable

The Micro GPS^x™ Family

- Trunk Mount with NMO Mount
- Low Profile
- Add-on Bracket for NMO Mount



GPSM15GBNC

GPSNMOAO with Optional
Mag Mount & TRAB8063

TM8GPS With Optional
800 MHz Phantom[®]

GPSNMOAO

Add any Antenex NMO Style Antenna to a Trunk Mountable GPS^x system.

Ordering Guide - Clear, Easy & Sensible!

GPSU15GBNC = GPS^x™ Utility Antenna, Magnetic Base, BNC Male.

GPSU	Antenna Style	GPSU = Utility GPS Discadoo Housing GPSM = Micro GPS
15	Frequency	1575.42 MHz, Standard GPS Frequency.
G	Mount Style	Blank = Self Adhesive Mount G = Magnetic Mount M = 3/4 Mount
BNC	Connector Style	BNC = BNC Male SMA = SMA Threaded Male SMB = SMB Snap-in Female TNC = TNC

Model Description

GPS NMO MOUNTABLE

GPSU15M NMO GPS Mobile Antenna

White Models

GPSUW15M NMO GPS Mobile Antenna

DUAL BAND GPS/LAND BASED

Low Profile AVL

GPSD8063P Low profile/Dual Band GPS-800 Phantom[®]

GPSD8213P Low profile/Dual Band GPS-800 Phantom[®]

GPSD8903P Low profile/Dual Band GPS-900 Phantom[®]

GPSD9023P Low profile/Dual Band GPS-900 Phantom[®]

Survivor[™]

GPSDVHF Dual Band GPS-VHF Survivor[™]

GPSD8063 Dual Band 806-866 3dB Survivor[™]

Standard AVL

GPSD4503P Dual Band GPS-UHF Phantom[®]

TRUNK MOUNT GPS MODELS

TM8GPS Trunk Mount With GPS

TMB8GPS Black Trunk Mount With GPS

Model Connector Style Cable Type

UTILITY GPS ANTENNA SELF ADHESIVE BASE

GPSU15BNC BNC 14' RG174/U

GPSU15SMA SMA 14' RG174/U

GPSU15SMB SMB 14' RG174/U

GPSU15TNC TNC 14' RG174/U

UTILITY GPS ANTENNA MAGNETIC BASE

GPSU15GBNC BNC 14' RG174/U

GPSU15GSMA SMA 14' RG174/U

MICRO GPS ANTENNA MAGNETIC BASE

GPSM15GBNC BNC 16' RG174/U

GPSM15GSMA SMA 16' RG174/U

GPSM15GSMB SMB 16' RG174/U

GPSM15GTNC TNC 16' RG174/U

Model Description

GPS ADD ON BRACKET

GPSNMOAO Bright Stainless Bracket with GPS

GPSBNMOAO Black Stainless Bracket with GPS

Technical Data - Product Features & Information

GPS Patch Antenna

- **VSWR:** 2:1 Typical @ 1575.42 MHz
- **Operating Temperature:** -40° to 85° C
- **Polarization:** Right Hand Circular
- **Antenna Description:** Active Ceramic
- **Azimuth Coverage:** 360°
- **Impedance:** 50 ohms
- **Elevation Coverage:** 0° - 90°
- **Operating Voltage:** 3.0 Vdc +/- .20 Vdc
- **LNA Gain (GPS Band):** 27 dB typical @ .25ma current
- **Cellular Filtering:** -24 dB
- **Antenna Height:** GPSM = 5/8", GPSU = 9/16"
- **Operating Frequency:** 1575.42 MHz

Features & Benefits

- No Tuning Required
- Removable Rod For Carwash
- Easy Installation- No Rod Trimming!
- Faster Installations - Increased Profits
- Gold-plated Push Pin Contact For Better Power Transfer
- O-ring Inserted on the Coil Bottom - Better Moisture Seal
- A Solid State Miracle. The Only One of its Kind in the World
- FedEx/UPS Shippable

This antenna self-tunes. There is no need to trim the whip!

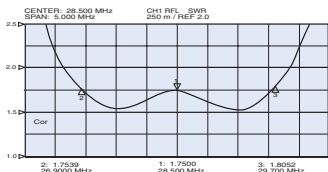


Removable Rod

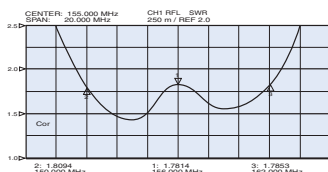


Gold Contact

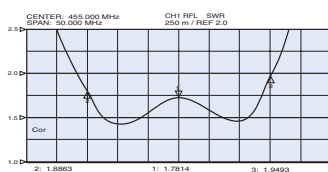
VSWR



CW27



CW1503



CW4405C



CW4405C

CW27

CW1503

Cutaways of Genesis™ Models

Ordering Guide - Clear, Easy & Sensible!

CWB4405CS = GENESIS™ Wide-Band Mobile Model, Black Chrome Finish, 440-470 MHz, 5 dB, Closed Phasing Coil, with Shock Spring.

CW	Antenna Style	CW = GENESIS Wide-Band™ Model
B	Finish	Blank = Chrome B = Black
440	Frequency	Frequency component of part number in bold below: 27-28 30-34 34-40 37-46 42-48 132-174 144-156 150-162 153-169 162-174 406-430 440-470
5	Gain	Blank = Unity (Lowband Models) 0 = Unity 3 = 3 dB 5 = 5 dB
C	Phasing Coil	Blank = Straight Rod C = Closed Phasing Coil (collinear radiator only)
S	Spring Option	S = Spring Option

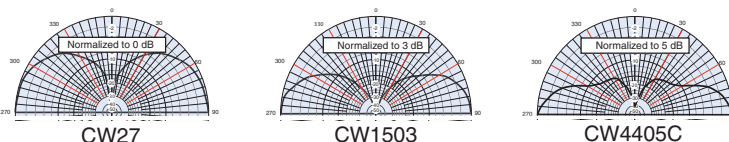
US Patent Number: 5,604,507. International Patents Pending.

Model	Frequency	Radiator	Whip Length
LOWBAND WIDEBAND UNITY MODELS			
CW27	26.8-29.7 MHz	Base Loaded 1/4 Wave	64"
CW30	30-34 MHz	Base Loaded 1/4 Wave	60"
CW34	34-40 MHz	Base Loaded 1/4 Wave	62½"
CW37	37-46 MHz	Base Loaded 1/4 Wave	57½"
CW42	42-48 MHz	Base Loaded 1/4 Wave	51½"
VHF WIDEBAND UNITY MODEL			
CW1320	132-174 MHz	End Fed 1/4 Wave	15¼"
VHF WIDEBAND 3 dB MODELS			
CW1443	144-156 MHz	Base Loaded 5/8 Wave	47"
CW1503	150-162 MHz	Base Loaded 5/8 Wave	45"
CW1533	153-169 MHz	Base Loaded 5/8 Wave	46"
CW1623	162-174 MHz	Base Loaded 5/8 Wave	41"
UHF WIDEBAND 5 dB MODELS			
CW4065C	406-430 MHz	Closed Coil Collinear	34 1/8"
CW4405C	440-470 MHz	Closed Coil Collinear	32 1/8"

Model	Description
S	Shock Spring for B and C Coils
SB	Black Chrome Shock Spring for B & C Coils

All whip lengths are valid for models before adding a spring. Add "S" to the end of the part number to receive spring on coil. Models with whips longer than 49" are not available in black.

Vertical Field Patterns



Technical Data - Product Features & Information

	LOWBAND	VHF	UHF
• Gain:	Unity	3 dB	5 dB
• VSWR (across band):	2.0:1 or better	2.0:1 or better	2.0:1 or better
• Maximum Power:	200 watts	200 watts	200 watts
• Bandwidth:	Exceeds 10% @ 1.8:1 VSWR	Exceeds 10% @ 1.8:1 VSWR	Exceeds 10% @ 1.8:1 VSWR
• Impedance:	50 ohms DC Continuity	50 ohms DC Continuity	50 ohms DC Continuity
• Mounts to:	3/4" hole, 3/8" hole, Magnetic & Mini-Trunk Mounts		

Mobile Load Coil Antennas - Lowband, VHF, UHF, 800MHz & 900MHz

Our mobile antennas are designed and built for demanding applications. They have proven themselves to outlast the cars they are mounted on. Each model is permanently marked for model and frequency. **ANTENEX**® mobiles are used extensively on municipal vehicles, in off road racing, on industrial vehicles, taxi cabs and other high endurance applications such as police cruisers, emergency vehicles, and forestry service vehicles. The detailed attention given to the manufacture and design of our coils and coil housings ensure that they will last for years. We manufacture over 100 variations. Our no ground plane antennas give you the flexibility you need in any mounting application, while our dual band and wide band models allow you to get full value out of today's advanced radios. If you cannot find the right **ANTENEX**® product for your mobile application, please contact us for pricing and availability.



Model Frequency Gain Whip Style

LOWBAND DC GROUND BASE LOADED 1/4 WAVE MODELS

C27	26.75-31 MHz	Unity	49" Tapered
C30	30-35 MHz	Unity	49" Tapered
C34	34-37 MHz	Unity	49" Tapered
C37	37-40 MHz	Unity	49" Tapered
C40	40-47 MHz	Unity	49" Tapered
C47	47-50 MHz	Unity	49" Tapered

VHF 1/4 WAVE MODELS

B66	66-174 MHz	Unity	49" Tapered
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VHF 1/4 WAVE BROADBAND MODELS

B132	132-928 MHz	Unity	21" Straight
B132S	132-525 MHz	Unity	21" Straight

VHF 5/8 WAVE BROADBAND MODELS

B1323	132-174 MHz	3 dB	55" Tapered
B1443	144-174 MHz	3 dB	49" Tapered
B2003	200-250 MHz	3 dB	33" Straight
B2503	250-280 MHz	3 dB	24½" Straight
B1443S	144-174 MHz	3 dB	49" Tapered

VHF NO GROUND PLANE BASE LOADED 1/2 WAVE MODELS

B1322N	132-174 MHz	2.4 dB	55" Tapered
B1442N	144-174 MHz	2.4 dB	49" Tapered
B2002N	200-225 MHz	2.4 dB	29½" Straight

UHF 5/8 WAVE MODELS

B4063	406-430 MHz	3 dB	13" Straight
B4303	430-450 MHz	3 dB	11 13/16" Straight
B4503	450-470 MHz	3 dB	11" Straight
B4703	470-490 MHz	3 dB	10 11/16" Straight
B4903	490-512 MHz	3 dB	10½" Straight

Ordering Guide - Clear, Easy & Sensible!

B4505CNS = Medium Black Base, 450-470 MHz, 5 dB, Closed Phasing Coil, No Ground Plane Design, with Shock Spring.

B	Antenna Style	B = Medium Base C = Tall Base
B	Finish	Blank = Chrome B = Black Finish W = White Housing
450	Frequency	Frequency component of part number in bold below: 26.75-31 30-35 34-37 37-40 40-47 47-50 66-174 132-525 132-174 132-928 144-174 200-225 200-250 250-280 406-430 430-450 450-470 470-490 490-512 806-866 896-970
5	Gain	Blank = Unity 2 = 2.4 dB 3 = 3 dB 5 = 5 dB
C	Phasing Coil	Blank = Straight or Tapered Rod C = Closed Phasing Coil (collinear radiator only)
N	Ground Plane	Blank = Ground Plane required N = No Ground Plane required
S	Spring Option	S = Spring Option

All coils are tuned on a network analyzer before packaging to assure proper performance.

Model Frequency Gain Whip Style

UHF CLOSED COIL COLLINEAR MODELS

B4065C	406-430 MHz	5 dB	37 3/8" Collinear
B4305C	430-450 MHz	5 dB	34 1/8" Collinear
B4505C	450-470 MHz	5 dB	32¾" Collinear
B4705C	470-490 MHz	5 dB	31¼" Collinear
B4905C	490-512 MHz	5 dB	29 1/8" Collinear

UHF NO GROUND PLANE BASE LOADED 1/2 WAVE MODELS

B4302N	430-450 MHz	2.4 dB	10 5/8" Straight
B4502N	450-470 MHz	2.4 dB	10 5/16" Straight

UHF NO GROUND PLANE CLOSED COIL COLLINEAR MODELS

B4065CN	406-430 MHz	5 dB	34 1/8" Collinear
B4305CN	430-450 MHz	5 dB	32 7/8" Collinear
B4505CN	450-470 MHz	5 dB	30½" Collinear
B4705CN	470-490 MHz	5 dB	28 7/16" Collinear
B4905CN	490-512 MHz	5 dB	27 1/8" Collinear

800 MHz BASE LOADED 5/8 WAVE MODELS

B8063	806-866 MHz	3 dB	4 7/8" Straight
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800/900 MHz BASE LOADED CLOSED COLLINEAR MODELS

B8065C	806-866 MHz	5 dB	16" Collinear
B8965C	896-970 MHz	5 dB	13¾" Collinear

800 MHz NO GROUND PLANE BASE LOADED ½ WAVE MODELS

B8062N	806-866 MHz	2.4 dB	4 7/8" Straight
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800/900 MHz NO GROUND PLANE CLOSED COLLINEAR MODELS

B8065CN	806-866 MHz	5 dB	16" Collinear
B8965CN	896-970 MHz	5 dB	13¾" Collinear

Model Description

SPRING OPTION ACCESSORY

S	Shock Spring for B and C Coils
SB	Black Chrome Shock Spring for B & C Coils

BLACK CHROME FINISH OPTION

B	Black LowBand, VHF, UHF or 800/900 MHz
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MOBILE TO BASE CONVERTERS

MBC	Mobile-to-Base Conv. for VHF, UHF w/ SO239
MBCN	Mobile-to-Base Conv. for VHF, UHF w/ N Term.
MBC800	Mobile-to-Base Conv. for 800/900 MHz w/ N

Add "S" to the end of the part number to receive a coil with spring.

Add a "B" to the part number to indicate black finish.

See the Ordering Guide above for details.

800/900 MHz models are not available with a spring.

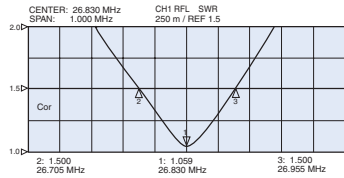
Models with whips >49" are not available in black but may be painted upon installation.

Features & Benefits

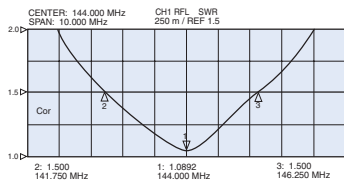
- Triple Chrome Plated Rod Ferrules & Bushings
- Three Dimensional Coil Form
- Silver Soldered Contacts
- 17-7 ph Stainless Whip
- Gold Push Pin Contact
- O-ring in the Base

Custom
Tuning
Available.
Only \$10.00

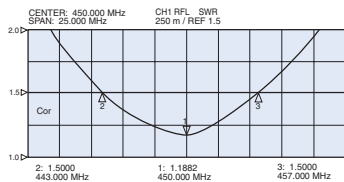
VSWR



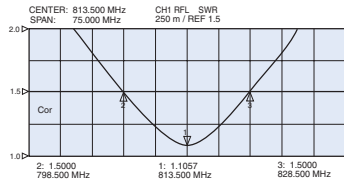
C27



B1443



B4505C



B8065C



Removable Rod



Gold Contact
Lifetime Product Identification



CB27

BW1443

BB1443S

BB4505C

BB8063



B1443

B4505C

C27

Technical Data - Product Features & Information

- **Gain:** See model.
- **Frequency Range:** See model.
- **VSWR:** <1.5:1 unless otherwise noted, <2:1 for Lowband.
- **Maximum Power:** All models - 200 watts.
- **Bandwidth:** See representative VSWR plot.
- **Impedance:** 50 ohms.
- **Tuning:** Models are shipped at the lowest frequency in the range. Custom factory tuning is available.
- **Mounting Base:** Injected molded high heat ABS with copper, nickel, brite or black chrome solid brass inserts.
- **Radiator:** 17-7ph tapered stainless steel whip or 17-7ph straight stainless steel collinear with a centerless ground finish or black chrome plate.
- **Coil Form:** 3 dimensional precision machined delrin.[®]
- **Phasing Coils:** Silver plated tempered brass.
- **Contacts:** Gold plated push pin.
- **Mounts to:** 3/4", 3/8", Magnetic and Mini-Trunk mounts.
- **Quality Assurance:** 100% tested on a network analyzer.

A-Base Antennas *Quarterwave, Collinear and Broad Band*

The **ANTENEX**® “A-Base” style antenna offers a durable mounting chassis that supports a wide range of rod styles, frequencies, and gain choices. The “A-Base” features a rugged ABS body with insert molded threaded ring and a triple-chrome plated ferrule. The base contact is a highly reliable gold plated push pin design.



Model Frequency Gain Radiator

RUGGED BROADBAND QUARTERWAVE MODELS

Chrome Models

AFT	118-896 MHz	Unity	0.100" Dia. 1/4 Wave
A150	150-174 MHz	Unity	0.100" Dia. 1/4 Wave
A450	450-470 MHz	Unity	0.100" Dia. 1/4 Wave
A800	800-896 MHz	Unity	0.100" Dia. 1/4 Wave
Axxx	Factory Tuned (xxx = center frequency)		

Chrome Models With Spring add.

Black Models

ABFT	118-896 MHz	Unity	0.100" Dia. 1/4 Wave
AB150	150-174 MHz	Unity	0.100" Dia. 1/4 Wave
AB450	450-470 MHz	Unity	0.100" Dia. 1/4 Wave
AB800	800-896 MHz	Unity	0.100" Dia. 1/4 Wave
ABxxx	Factory Tuned (xxx = center frequency)		

Black Models With Spring add.

UHF COLLINEARS

Chrome Models

A4503	450-470 MHz	3.5 dB	Open Collinear
A4503C	450-470 MHz	3.5 dB	Closed Collinear

Chrome Models With Spring add.

Black Models

AB4503	450-470 MHz	3.5 dB	Open Collinear
AB4503C	450-470 MHz	3.5 dB	Closed Collinear

Black Models With Spring add.

Ordering Guide - Clear, Easy & Sensible!

AB4503CS = Low Profile Base, Black, 450-470 MHz, 3.5 dB, Closed Coil, Spring.

A	Antenna Style	A = Low Profile Base
B	Finish	Blank = Chrome Finish B = Black Finish
450	Frequency	Frequency component of part number in bold below: xxx = Specify Center Frequency, FT = Field Tunable 118-896 150-174 450-470 806-896 896-970
3	Gain	0 = Unity Gain 3 = 3 dB or 3.5 dB 5 = 5 dB
C	Coil Option	Blank = Straight Rod or Open coil C = Closed Phasing Coil CT = Closed Trilinear Phasing Coil
S	Spring Option	S = Spring Option

Model Frequency Gain Radiator

800/900 MHz ANTENNAS

Chrome Models

A8063	806-896 MHz	3 dB	Open Collinear
A8963	896-970 MHz	3 dB	Open Collinear
A8063C	806-896 MHz	3.5 dB	Closed Collinear
A8065CT	806-896 MHz	5 dB	Closed Trilinear

Black Models

AB8063	806-896 MHz	3 dB	Open Collinear
AB8963	896-970 MHz	3 dB	Open Collinear
AB8063C	806-896 MHz	3.5 dB	Closed Collinear
AB8065CT	806-896 MHz	5 dB	Closed Trilinear

800 MHz ANTENNAS WITH SPRING

Chrome Models

A8063S	806-896 MHz	3 dB	Open Collinear
A8063CS	806-896 MHz	3.5 dB	Closed Collinear
A8065CTS	806-896 MHz	5 dB	Closed Trilinear

Black Models

AB8063S	806-896 MHz	3 dB	Open Collinear
AB8063CS	806-896 MHz	3.5 dB	Closed Collinear
AB8065CTS	806-896 MHz	5 dB	Closed Trilinear

Model Description

SPRINGS

AS	Low Profile Base Chrome Spring w/Key & Set Screw
ASB	Low Profile Base Black Spring w/Key & Set Screw

Technical Data - Product Features & Information

- **Gain:** See model.
- **Frequency Range:** See model.
- **VSWR:** <1.5:1
- **Maximum Power:** 200 watts
- **Bandwidth:** VHF - up to 25 MHz (with spring), UHF/800/900 - 100 MHz+
- **Impedance:** 50 ohms
- **Mounting Base:** High temperature molded ABS with threaded brass insert.
- **Radiator:** Type 302 stainless steel with a brite or black chrome plate finish for .062" diameter rods. 17-7ph stainless steel with a centerless ground finish or black chrome plate for all other models.
- **Brass Fittings:** Highly polished brite or black chrome plated ferrule
- **Contacts:** Gold plated push pin contact on A style.

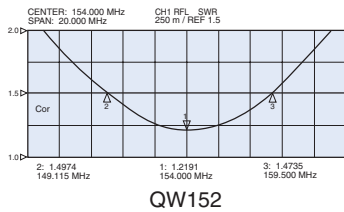
Quarterwave Antennas *Brass Contact*



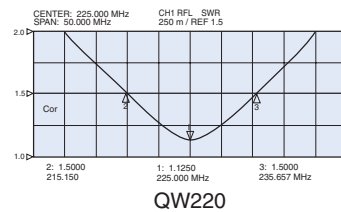
Even our least expensive mobile antennas receive the most detailed attention. Both quarterwaves and 3 dB models feature a brass button contact and heavy duty specially formulated Stand-Up™ grommets that last longer and stay straighter. For any mobile application, you can be sure that **ANTENEX®** has a feature packed solution for you.



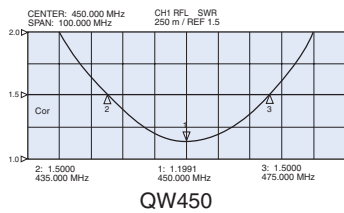
VSWR



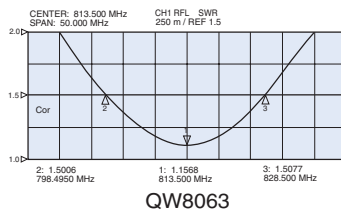
QW152



QW220



QW450



QW8063

Technical Data - Product Features & Information

- **Gain:** Unity for 1/4 wave antennas and 3 dB for open coil flexible models.
- **Frequency Range:** See model.
- **VSWR:** <2.0:1
- **Maximum Power:** 200 watts
- **Bandwidth @2.0:1:** QW152 - 18 MHz QW450 - 80 MHz
QW800 - 150 MHz QW8253 - 40 MHz
- **Impedance:** 50 ohms
- **Tuning:** Mid-band is standard. Custom tuning is available.
- **Mounting Base:** Brite or black chrome plated brass locking nut.
- **Radiator:** Type 302 stainless steel. Electropolished or black chrome plate on open coil collinears. Brite finish or black chrome plate on quarterwaves.
- **Contact:** Brass button.
- **Mounts to:** 3/4" hole, 3/8" hole, Magnetic & Mini-Trunk mounts.

Ordering Guide - Clear, Easy & Sensible!

QWB8253 = Chrome Locking Nut Style, Black, 825-896 MHz, 3 dB.

QW	Antenna Style	QW = Chrome locking nut style Antennas		
		Q = Full length Quarterwave		
B	Finish	Blank = Chrome Finish		
		B = Black Finish		
825	Frequency	Frequency component of part number in bold below:		
		FT (118-970) 27-54	136-144	144-152
		152-162	162-174	220-225
		430-450	450-470	470-490
		806-866	806-896	825-896
3	Gain	Blank = Unity		
		3 = 3 dB		

Model	Frequency	Radiator
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UNITY GAIN MODELS

Stainless Models

Q27S	27-54 MHz	102" 1/4 Wave
QW***	Customer Specified	1/4 Wave
QW136	136-144 MHz	1/4 Wave
QW144	144-152 MHz	1/4 Wave
QW152	152-162 MHz	1/4 Wave
QW162	162-174 MHz	1/4 Wave
QW220	220-225 MHz	1/4 Wave
QW406	406-430 MHz	1/4 Wave
QW430	430-450 MHz	1/4 Wave
QW450	450-470 MHz	1/4 Wave
QW470	470-490 MHz	1/4 Wave
QW490	490-512 MHz	1/4 Wave
QW800	806-896 MHz	1/4 Wave
QW900	896-970 MHz	1/4 Wave
QWFT120	Field Tunable	1/4 Wave

Black Models

QWB***	Customer Specified	1/4 Wave
QWB136	136-144 MHz	1/4 Wave
QWB144	144-152 MHz	1/4 Wave
QWB152	152-162 MHz	1/4 Wave
QWB162	162-174 MHz	1/4 Wave
QWB220	220-225 MHz	1/4 Wave
QWB406	406-430 MHz	1/4 Wave
QWB430	430-450 MHz	1/4 Wave
QWB450	450-470 MHz	1/4 Wave
QWB470	470-490 MHz	1/4 Wave
QWB490	490-512 MHz	1/4 Wave
QWB800	806-896 MHz	1/4 Wave
QWB900	896-970 MHz	1/4 Wave
QWFTB120	Field Tunable	1/4 Wave

3 dB GAIN MODELS

Stainless Models

QW8063	806-866 MHz	Open Coil Flexible
QW8253	825-896 MHz	Open Coil Flexible
QW8963	896-970 MHz	Open Coil Flexible

Black Models

QWB8063	806-866 MHz	Open Coil Flexible
QWB8253	825-896 MHz	Open Coil Flexible
QWB8963	896-970 MHz	Open Coil Flexible

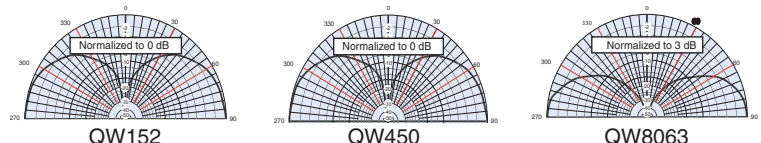
Model	Description
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ACCESSORIES

QWNUT	Quarterwave Nut
QWNUTB	Quarterwave Nut Black
QWRC	Quarterwave Rain Cap
QWRCB	Quarterwave Rain Cap Black

See pages 32-37 for mounting options!

Vertical Field Patterns



Elevated Feed Point & 5/16 Stud Mount Antennas

ANTENEX® elevated feed antennas are ideal when you want a good radiation pattern from your antenna but have a poor mounting location or a non-conductive mounting surface. The elevated feed style antenna typically mounts on the trunk of a vehicle while still allowing the radiating element to “look” over the roof line, luggage or ladder rack. Utilizing an internal circuit board counterpoise and transmission line, this antenna is one of the most durable in the industry.

ANTENEX® stud mount antennas are available where a high quality replacement is required in an existing stud mount installation. These antennas can also be used in new installations where stud mount is the mount of choice

Model	Frequency	Gain	Phasing Coil
-------	-----------	------	--------------

800/900 3 dB & 5 dB GAIN ELEVATED FEED POINT ANTENNAS

Chrome Models

E8063	806-896 MHz	3 dB	Open
E8063C	806-896 MHz	3 dB	Closed
E8065C	806-896 MHz	5 dB	Closed

Black Models

EB8063	806-896 MHz	3 dB	Open
EB8063C	806-896 MHz	3 dB	Closed
EB8065C	806-896 MHz	5 dB	Closed
EB8965C	896-970 MHz	5 dB	Closed

UHF 3 dB GAIN ELEVATED FEED POINT ANTENNAS

Black Models

EB4503C	450-470 MHz	3 dB	Closed
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Model	Description
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STUD MOUNTS

L0	Mount only, No Cable or Connector
L8	Mount with 17' of RG58AU No Connector
L8U	Mount with 17' of RG58U No Connector

Model	Frequency	Gain	Radiator
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STUD MOUNT ANTENNAS

Chrome Models

L118	118-512 MHz	Unity	0.100" Dia. 1/4 Wave
L152	152-162 MHz	Unity	0.100" Dia. 1/4 Wave
L8063C	806-896 MHz	3.5 dB	Closed Collinear

Model	Description
-------	-------------

SPRING ACCESSORY FOR STUD MOUNT ANTENNAS

LS	Shock Spring for Stud Mount Antennas
LSB	Black Shock Spring for Stud Mount Antennas



L8063

L152



L8 Stud Mount



Gold Plated Push Pin Contact for Better Power Transfer



Internal Circuit for Higher Durability



Rod Moves Up & Down For Greater Tuning Flexibility

Ordering Guide - Clear, Easy & Sensible!

EB8063C = Elevated Feed in Black, 806-896 MHz, 3 dB, Closed Phasing Coil.

E	Antenna Style	E = Elevated Feed
B	Finish	Blank = Chrome Finish B = Black Finish
806	Frequency	Frequency component of part number in bold below: 450-470 806-896 896-970
3	Gain	3 = 3 dB Gain 5 = 5 dB Gain
C	Coil	Blank = Open Phasing Coil C = Closed Phasing Coil



E8063

EB8063C

EB8063C

Dual Band & Special Applications



With **ANTENEX**® dual band antennas, you will experience outstanding performance on both the VHF and UHF bands. Our manufacturing techniques exercise tight control over all the parameters necessary to build a mobile gain antenna for outstanding performance on two nonharmonically related frequencies. We have fully tested these antennas for both VSWR and radiation efficiency against popular competitive brands and we are confident that they will deliver as much or more signal and range than any competitive model regardless of price.



Technical Data - Product Features & Information

- **Gain:** See model.
- **Frequency Range:** See model.
- **VSWR:** <1.5:1 at center frequency.
- **Maximum Power:** 200 watts
- **Impedance:** 50 ohms
- **Mounting Base:** High temperature molded ABS with threaded brass insert.
- **Radiator:** 17-7ph stainless steel with a centerless ground finish or black chrome plate. Type 302 with an electropolished or black chrome plate finish for the disguise series.
- **Coil Form:** 3 dimensional precision machined delrin.® on C style dual band antennas.
- **Phasing Coils:** Silver plated tempered brass.
- **Contacts:** Gold plated push pin.
- **Mounts to:** 3/4" hole, 3/8" hole, magnetic and mini-trunk mounts. The Q27S mounts directly through the vehicle.

Ordering Guide - Clear, Easy & Sensible!

ADB450S = Black Low Profile Base Disguise Antenna, 450-470 MHz, Spring.

AD	Antenna Style	A = Low Profile Base Antenna AD = Disguise Antenna (Cellular Look-Alike) AHAM = Ham Scanner Antenna ASCAN = Public Safety Scanner Antenna C = Tall Coil Base Dual Band Antenna
B	Finish	Blank = Chrome Finish B = Black Finish
450	Frequency	Frequency component of part number in bold below: 144/440 150-174 150/450
Blank	Open Coil	Blank = Open Phasing Coil C = Closed Phasing Coil
S	Spring Option	S = Spring Option



Push Pin Contact for "B" & "C" Models



Base Contact on "A" Models

Model Frequency Gain Radiator

DUAL BAND ANTENNAS

Chrome Models

A150/450C	150-174/450-470	Unity	Closed Collinear
C144/440C	144-148/440-450	2/5dB	Closed Collinear
C150/450C	150-174/450-470	2/5dB	Closed Collinear
C144/440CS	144-148/440-450	2/5dB	Closed Collinear
C150/450CS	150-174/450-470	2/5dB	Closed Collinear

Black Models

AB150/450C	150-174/450-470	Unity	Closed Collinear
CB144/440C	144-148/440-450	2/5dB	Closed Collinear
CB150/450C	150-174/450-470	2/5dB	Closed Collinear
CB144/440CS	144-148/440-450	2/5dB	Closed Collinear
CB150/450CS	150-174/450-470	2/5dB	Closed Collinear

DISGUISE ANTENNAS (CELLULAR LOOK-ALIKE)

Chrome Model

AD150	150-174 MHz	Unity	Short 1/4 Wave
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Black Model

ADB150	150-174 MHz	Unity	Short 1/4 Wave
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SAIL BOAT MAST ANTENNA

MAV1602	4 ft. No ground plane model
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SCANNER ANTENNAS

Chrome Model

ASCANCS	150/450/800	Rx Only	Closed Collinear
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Black Model

ABSCANCS	150/450/800	Rx Only	Closed Collinear
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Model Description

SPRING OPTION FOR ABOVE MODELS THAT BEGIN WITH "A"

AS	Chrome Spring for above add...
ASB	Black Spring for above add...

Other Models

Q27S	27-54 MHz Full Length Quarterwave Stainless Steel Spring
Q27PT20PI	Q27 Wiring Harness, 20'RG58A/U Crimp PL259 installed

Discadoo™ Low Profile

Model Frequency

NMO Mount MODELS

Ground Plane

DISC806M	806-866 MHz
DISC824M	824-896 MHz
DISC2400M	2400-2500 MHz

No Ground Plane

DISC806MN	806-866 MHz
DISC824MN	824-896 MHz
DISC890MN	890-960 MHz
DISC2400MN	2400-2500 MHz

SELF ADHESIVE MODELS WITH PIGTAILS

Ground Plane

DISC806P	806-866 MHz
DISC824P	824-896 MHz
DISC2400P	2400-2500 MHz

No Ground Plane

DISC806PN	806-866 MHz
DISC824PN	824-896 MHz
DISC890PN	890-960 MHz
DISC2400PN	2400-2500 MHz
DISC2400PNSM	2400-2500 MHz

Add suffix "SE" for side exit coax option.

Pigtail standard coax cable length is 2 ft. of RG316 with a TNC female connector installed.
All models available in white



The Discadoo™ can be painted to match your car's color with any nonmetallic paint. The magnetic base version is shown on the vehicle above.



Bottom Exit for Through Hole Mounting



Model can also be installed for side exit of coax

Ordering Guide - Clear, Easy & Sensible!

DISC806P = Discadoo™ Antenna Model, 806-866 MHz, Pigtail

DISC	Antenna Style	Discadoo™ Low-Profile Saucer Style Antenna
806	Frequency	Frequency component of part number in bold below: 806-866 824-896 890-960 2400-2500
P	Mount	M = Standard NMO Mounting Socket P = Pigtail Model w/Self Adhesive Base & Female TNC
Blank	Plane	Blank = Normal Model N = NGP - No Ground Plane Model



The Discadoo™ features a standard bottom exit.

Upgrade an Existing NMO Installation!

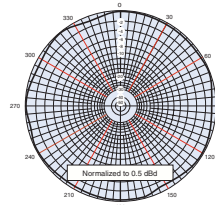


Our NMO style Discadoo™ is designed to be mounted on a car for mobile communication applications.

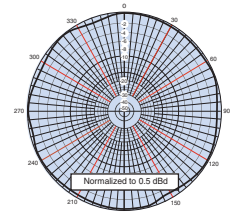
Technical Data - Product Features & Information

- **Frequency Range:** 806-866 MHz, 824-896 MHz, 890-960 MHz, 2400-2500 MHz
- **VSWR:** <2.0:1
- **Maximum Power:** 100 watts
- **Impedance:** 50 ohms, DC Continuity
- **Mounts to:** Any clean, flat surface or NMO type mount.
- **Mounting Base:** Adhesive, Magnetic or NMO
- **Radiator:** Brass radiator
- **Contact:** Female TNC
- **Cable:** 24" RG316

Horizontal Field Pattern



DISC824M



DISC890M

Multiversity™ Indoor Antenna



ANTENEX® offers the MIA8063ST Multiversity Indoor Antenna to maximize the flexibility and effectiveness of indoor communications. This antenna solution provides effective and clear communication for any in-building application. Add any **ANTENEX**® Yagi directional antenna, such as the Y8066, and any bi-directional amplifier for the ideal RF solution.

The aesthetically pleasing **MIA** antenna is also versatile. The antenna requires no ground plane. It may be mounted anywhere from a ceiling grid tile to an office wall depending on your application.

Technical Data - Product Features & Information

- **Frequency Range:** 806-869 MHz
2.4-2.5 GHz
- **Gain:** 3 dB-MEG
- **Impedance:** 50 Ohms
- **VSWR:** <1.5:1
- **Polarization:** Dual Polarized Field Diversity.
- **Maximum Power Input:** 100 Watts.
- **Mounting:** Single Hole Mount.
- **Self Adhesive Pad:**
- **Termination:** Pigtail with Type N Female
- **Material:**

Back Panel	ABS
Radiating Elements	PC Board
Radome	ABS
- **Weight:** .5 lb.
- **Application:** Ceiling or Wall Mount Microfill for Cellular, SMR & ESMR.



MIA8063ST Ceiling Mount

MIA8063 Wall Mount

4.25"

Installs in as little as 30 seconds!

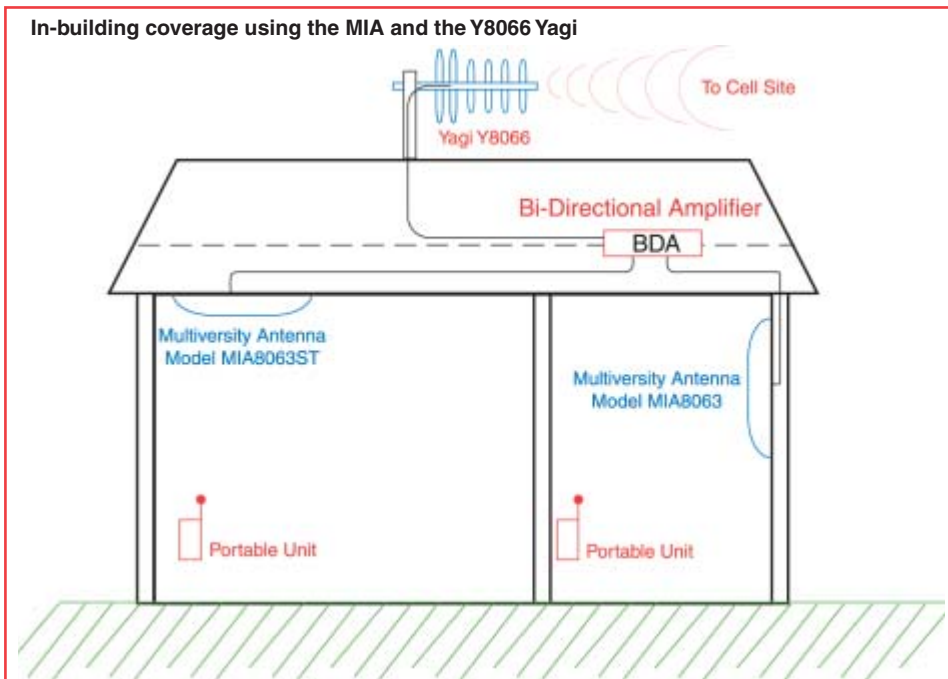


Model	Frequency	Description	Gain
MIA8063	806-869	Wall mount	3 dB-MEG*
MIA8063ST	806-869	Ceiling mount	3 dB-MEG*
MIA24003	2.4-2.5	Wall mount	3 dB-MEG*
MIA24003ST	2.4-2.5	Ceiling mount	3 dB-MEG*

*Gain on a Phantom® antenna is measured in db-MEG. For more information on dB-MEG, visit our website at <http://www.antenex.com>.

Many 800 MHz users experience coverage problems when using their subscriber units indoors, due to lack or loss of signal. Improve your phone system coverage in buildings, plants or warehouses with the Multiversity Dual Polarized Indoor Antenna (MIA8063ST) created exclusively for these applications by **ANTENEX**®.

Speed of installation: The wall mount installs like a standard phone jack and the ceiling mount installs in 30 seconds. These are the lowest visibility in-building antennas on the market!



MIA8063 Wall Mount



MIA8063ST Ceiling Mount

2.4 GHz Product Solutions

ANTENEX® Gold Fiberglass Base Station antennas are collinear designs enclosed in a high density fiberglass, which is impregnated with a protective ultraviolet inhibitor.

Radiating elements are made from high efficiency copper and are carefully phased to provide maximum gain in the horizontal plane. Anodized mounting sleeves are tuned to eliminate RF currents from the transmission line resulting in a “cold” sleeve allowing great freedom in mounting. A high quality and well-focused beam provides the highest gain and best efficiency.

Every FG fiberglass base antenna is tested on a network analyzer before shipping to assure the best VSWR performance.

See the **ANTENEX® Freedom™** Series of mounts for a variety of mounting options on page 37.



See Page 15 for MIA Details

MIA8063ST Ceiling Mount

MIA8063 Wall Mount

Model	Description	Gain
BASE AND FIXED ANTENNAS		
Omni Directional		
FG24003	2.4- 2.48 Fiberglass	3 dBd
FG24006	2.4- 2.48 Fiberglass	6 dBd

Directional		
YE240015	Enclosed Yagi antenna	12.5 dBd

Multiversity		
MIA24003	2.4-2.5 Wall mount	3 dB-MEG
MIA24003ST	2.4-2.5 Ceiling mount	3 dB-MEG

Model	Description
-------	-------------

FIXED AND PERMANENT ANTENNAS

DISCADOO™	
DISC2400PSM	Self Adhesive 2ft RG316 w/SMA
DISC2400PNSM	Self Adhesive 2ft RG316 w/SMA NGP

Phantom®	
TRA24003NP	White Permanent mt. No Ground Plane
TRA24003P	White Permanent mt.
TRAB24003N	Black NMO mt. No Ground Plane
TRAB24003P	Black Permanent mt.

LOW PROFILE MOBILE

NMO Discadoo™ Antennas	
DISC2400M	NMO mount
DISC2400MN	NMO mount No Ground Plane

White 3 dB Gain Models

NMO Phantom® Antennas	
TRA24003	White Phantom® Antenna NMO Mount
TRA24003N	White Phantom® No Ground Plane

Black 3 dB Gain Models	
TRAB24003	Black Phantom® Antenna NMO mount
TRAB24003N	Black Phantom® No Ground Plane

Portable Antennas

DEXC2400SM	4" w/SMA	Unity
DEXE2400TNX	8" w/ TNX	2.5 dB
DEXR2.46TN	Right Angle 8" w/TN	2.5 dB
DEXERN2400RSM	Right Angle w/SMA	Unity
DEXRN2400RTN	4" w/TNC	Unity

Lightning Arrestor

LABH2400NN	Bulkhead Lightning Arrestor
------------	-----------------------------

The new YE series enclosed Yagi from **ANTENEX®** features superior rugged construction. This 2.4 GHz Yagi antenna is completely sealed and cannot be disassembled by hand. The **ANTENEX®** enclosed Yagi antenna is 12.5 dB gain, constructed laser cutboom and elements and has a folded dipole feed. The tubular radome is 18" long and 3" in diameter enclosed with two 2" stainless steel U-bolts for ease in mast mounting.



YE series enclosed Yagi with U-bolts

The ANTENEX® Discadoo™

This exceptional antenna features a patented internal design that utilizes a classic planar-f style radiator to yield the lowest profile antenna in history. The **ANTENEX® Discadoo™** shown, is a self adhesive model with a pigtail of RG316 cable terminated with a TNC female connector. The **Discadoo™** is also available with a gold plated push pin NMO style mount.



Fiberglass OMNI Base Station Antennas

LABH2400NN

Portable Antennas

Phantom® Family

Model	Description	Gain	Bays
Folded Dipole Array Antennas			
YDAF4032	403-470 MHz	8.5 dB	2 Bay ¼ wave
YDAF4034	403-470 MHz	8.5 dB	4 Bay ¼ wave
YDAF40342	403-470 MHz	8.5 dB	4 Bay ½ wave

Dipole Array Antennas			
YDA4302	430-450 MHz		2 Bay
YDA4304	430-450 MHz		4 Bay

Fiberglass Base Station Antennas			
FG4300	430-450 MHz	Unity	
FG4303	430-450 MHz	3 dB	
FG4305	430-450 MHz	5 dB	

Voyager® Base Station Antennas			
VG4062	406-450 MHz	2 dBi	
VG4065	406-450 MHz	5 dBi	
VG4066	406-450 MHz	6 dBi	

Yagi Directional Antennas - Gold Anodized/Fully Welded			
Y4303	430-450 MHz	7.1 dBd	
Y4305	430-450 MHz	9.2 dBd	
Y4306	430-450 MHz	10.2 dBd	
Y43012	430-450 MHz	11 dBd	

Yagi Directional Antennas - Silver Series Non-Welded			
YS4303	430-450 MHz	7.1 dBd	
YS4305	430-450 MHz	9.2 dBd	
YS4306	430-450 MHz	10.2 dBd	
YS43012	430-450 MHz	11 dBd	

Fixed Phantom® Transit			
TRA4303P	430-450 MHz	3 dB Perm.	

Phantom® Transit Antennas			
TRA4303	430-450 MHz	3 dB	

Genesis™ Wide-band Antennas			
CW4205C	420-450 MHz	5 dB Wideband	

Base Loaded Mobile Coils			
B132	132-928	Unity	
B4303	430-450 MHz	3 dB	
B4305C	430-450 MHz	5 dB	
B4305CN	430-450 MHz	5 dB NGP	

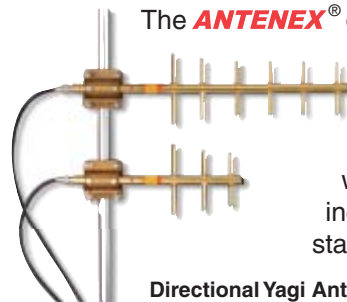
Quarterwave Antennas			
QW430	430-450 MHz	Unity	

“A-Base” Mobile Coils			
A430	430-450 MHz	Unity	
A4303C	430-450 MHz	3 dB	

Mobile Mounting Options			
MB8P	Mount 17"RG58 w/PL259		
TM8P	Trunk Mt 17"RG58 w/PL259		
G8PI	Magnet Mt 12"RG58 w/PL259		

PORTABLES

DEXC420	HT, KR, MD, MX, BN, BNX
	MR, SF, SFJ, SFU, TN, TNX
DEXD420	HT, KR, MD, MX, BN, BNX
	MR, SF, SFJ, SFU, TN, TNX
DEXR420	KR, MX, BN, TN
DEXW400	MX, KR, BNX, TNX
DG400	BN, TN



The **ANTENEX®** directional Yagi antenna is available in a gold anodized fully welded version direct feed version or a silver traditional gamma matched version. Each Yagi ships complete with a high quality mounting kit that includes a heavy-duty bracket and stainless steel hardware

Directional Yagi Antennas



YDAF4034



TRA4303

Gold Contact



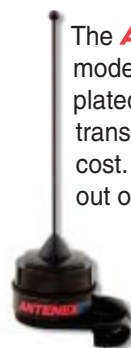
Fiberglass OMNI Basestation Antennas



VG4065

B4305C

ANTENEX® Mobile antennas will stand up to the most rugged applications. They are used extensively on municipal vehicles, industrial vehicles, taxicabs and other high endurance applications.



CW4205C

The **ANTENEX® Genesis™** Wide-band antenna models have many advantages, including a gold plated push pin contact and no tuning, which translates into ease of installation and reduced cost. There is no need to trim the whip, just install out of the box!

The **Phantom's®** revolutionary design features low visibility, wide bandwidth and a low angle radiation pattern that is superior to traditional gain antennas in most applications. The technology is beneficial when high performance, extreme ruggedness and low profile is required.

TMB8 w/QWB430



TM8

Whatever your TETRA application, **ANTENEX®** has the right mobile or base antenna solution for you.



MB8



GR8 Mount

ANTENEX® combines functional elegance with solid electrical design and mechanical innovation in its **Mountaineer**™ family of vertical fiberglass base station antennas. We employ an innovative heavy-duty radial system that allows for freedom in mounting and longer radial life. Only high quality aluminum and stainless steel materials that withstand severe weather conditions are used.

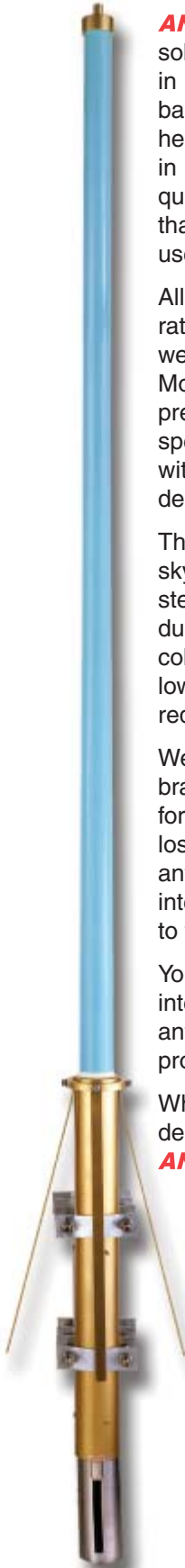
All **Mountaineer**™ antennas feature flexible 50-year rated weather seals on all exposed joints as well as an improved condensation drain system. Moving a threaded plug from the top to the bottom prepares the antenna for inverted mounting. A special top cap allows for a narrower taper with lowered wind loading, further improving the design.

The woven fiberglass radome, with its low visibility sky blue color dyed into the resin, improves stealth characteristics. Adding the dye to the resin during the fiberglass curing process locks in the color. Additional high tech materials achieve a lowered cross-section mass for lighter weight and reduced wind load.

We use an industry standard nickel-plated solid brass N-female connector at the feed. This allows for a far better weather seal and lower insertion loss than the SO-239 connectors used in other antennas. **Mountaineer**™ is designed with an internal vibration damping system that is superior to the competition.

You can also be assured of the highest quality and integrity for your installation as each **Mountaineer**™ antenna is fully tested for return loss, gain and proper radiation pattern prior to shipment.

When you need an antenna to withstand the most demanding conditions look no further than the **ANTENEX**® **Mountaineer**™.



Mountaineer™
FGM1505 shown
w/ Optional FM3W
Mounting Kit



FM3W-Welded Heavy Duty Mounting Bracket



FM3 - Heavy Duty Mounting Bracket

Ordering Guide - Clear, Easy & Sensible!

FGM45010 = **Mountaineer**™ Omnidirectional Fiberglass, 450-460 MHz, 10 dBd gain

FGM	Antenna Style	FGM = Fiberglass - Gold Sleeve Mountaineer ™			
450	Frequency	Frequency component of part number in bold below:			
		150-155	155-160	160-165	216-225
10	Gain	450-460	460-470		
		5 = 5 dBd	7 = 7 dBd		
		10 = 10 dBd			

Model	Frequency Range	Tuned Frequency	Gain
-------	-----------------	-----------------	------

VHF 5 dBd GAIN MODELS

FGM1505	150-155 MHz	152 MHz	5 dBd
FGM1555	155-160 MHz	157 MHz	5 dBd
FGM1605	160-165 MHz	163 MHz	5 dBd

220 MHz 5 dBd GAIN MODELS

FGM2165	216-225 MHz	220 MHz	5 dBd
---------	-------------	---------	-------

UHF 7 dBd GAIN MODELS

FGM4507	450-460 MHz	455 MHz	7 dBd
FGM4607	460-470 MHz	465 MHz	7 dBd

UHF 10 dBd GAIN MODELS

FGM45010	450-460 MHz	455 MHz	10 dBd
FGM46010	460-470 MHz	465 MHz	10 dBd

Model	Description
-------	-------------

MOUNTING OPTIONS

FM3	Heavy Duty Mounting Bracket (2)
FM3W	Welded Heavy Duty Bracket (2)

LMR COAX OPTIONS

R400100	100' Spool High Performance LMR400
R400500	500' Spool High Performance LMR400

Model	Description
-------	-------------

MOUNTAINEER ACCESSORIES

LAIL350NN	Inline Lighting Arrestors N to N	
LABH350NN	Bulkhead Lightning Arrestors N to N	
CN400	N Male For LMR400	
CCT213	Heavy Duty Crimp Tool	
IA3MTP22	3M 2200 TAR SEAL	
IASFST	36 ft. Roll of MOCAP Installation Tape	32.00
IASFST10	Six pack of 10" strips of MOCAP Installation Tape	6.10

See Page 39 for more LMR connectors.
Free freight policy does not apply to **Mountaineer**™ Antennas.



CCT213 - Heavy Duty Crimp Tool



LAIL350NN - Inline Lighting Arrestor N to N

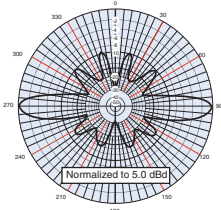


MOCAP Tape IASFST

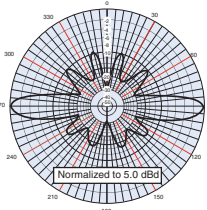


IASFST10

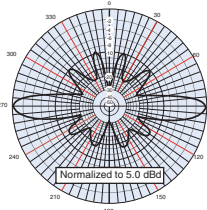
Vertical Field Patterns



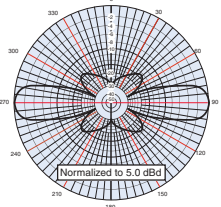
FGM1505



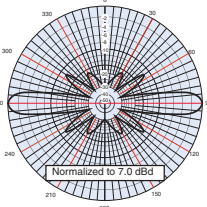
FGM1555



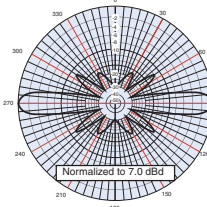
FGM1605



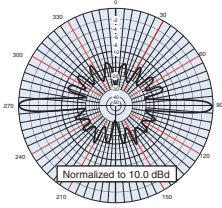
FGM2165



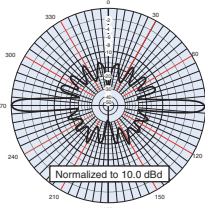
FGM4507



FGM4607



FGM45010



FGM46010



Top Cap

Heavy Duty Radial System



Base-N-Connector
and Drain Plug



Mountaineer™
FGM4607
w/ Optional
FM3W
Mounting Kit

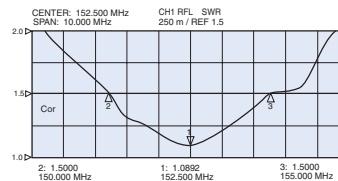
Mountaineer™
FGM45010
w/ Optional
FM3W
Mounting Kit

Technical Data - Product Features & Information

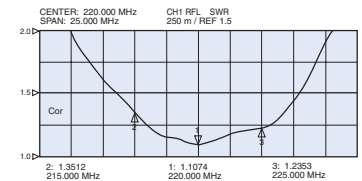
	VHF	220 MHz	UHF
• Gain:	5 dBd	5 dBd	10 dBd
• Frequency Range:	5 MHz	7 MHz	10 MHz
• VSWR (across band):	1.5:1 Maximum	1.5:1 Maximum	1.5:1 Maximum
• Maximum Power:	500 watts	500 watts	350 watts
• Impedance:	50 ohms	50 ohms	50 ohms
• Ground Plane:	Radials	Radials	Radials
• Length:	24'	18'	22'
• Weight:	26 lbs.	24 lbs.	26 lbs.
• Connector:	Type "N"	Type "N"	Type "N"
• Rated Wind Velocity:	145 M.P.H.	145 M.P.H.	145 M.P.H.
• Polarization:	Vertical	Vertical	Vertical
• Mounting:	3" OD	3" OD	3" OD
• Termination:	Recessed type "N" female connector.		

Custom
Tuning
Available
Only \$50.00

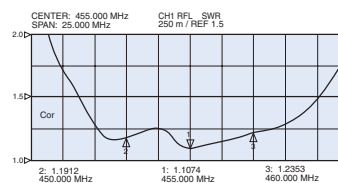
VSWR



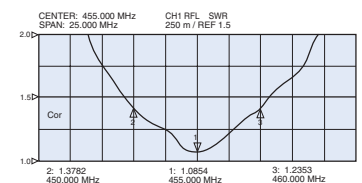
FGM1505



FGM2165



FGM4507



FGM45010

Fiberglass Omnidirectional VHF, UHF, 800, 900 & 2400 MHz

Features & Benefits

- Collinear Designs - High Performance
- High Density Fiberglass - Very Durable
- Special UV Treated - Stands Up to the Sun
- 100% Tested on a Network Analyzer
- Durable Gold Anodized Sleeve and Cap
- N Female Industry Standard Connector
- FedEx/UPS Shippable

Custom Tuning Available Only \$25.00



FG8066 & FG8063
w/FM2 Mounting Option



N Female Base Connector



FM2 Mounting Bracket

Technical Data - Product Features & Information

- **VSWR:** <2:1 at resonance
- **Maximum Power:** 100 watts - UHF and 800 models
150 watts - VHF models
- **Impedance:** 50 ohms, Models with DC continuity
- **Mounting Sleeve:** Heavy wall, gold anodized 1 1/4" aluminum.
- **Radiator:** Precision copper clad elements sealed in white ultraviolet-inhibiting fiberglass radome.
- **Mounts to:** See optional mounting kits listed above.
- **Antenna Length:**

Gain	VHF	UHF	800/900	2.4 GHz
Unity	68"	26"	15"	N/A
3 dBd	107"	44"	25"	14"
5 dBd	N/A	76"	N/A	N/A
6 dBd	N/A	N/A	65"	24"
7 dBd	N/A	107"	N/A	N/A
- **Vertical Beam Width:**

Unity	3 dBd	5 dBd	6 dBd	7 dBd
75	33	20	17	14
- **Antenna Weight:** VHF 3 dBd & UHF 7 dBd = 8 lbs. All others = 6 lbs. (or less)
- **Termination:** Recessed type "N" female connector.
- **Wind Survival:** 125 M.P.H.
- **Polarization:** Vertical Polarization

Ordering Guide - Clear, Easy & Sensible!

FG1523 = Omnidirectional Fiberglass 152-156 MHz, 3 dB.

FG	Mount Style	FG = Fiberglass - Gold Sleeve			
152	Frequency	Frequency component of part number in bold below:			
		140-144	144-148	148-152	152-156
		156-162	162-168	168-174	220-225
		360-380	380-390	406-416	410-420
		420-430	430-440	440-450	450-460
		460-470	470-480	490-500	500-512
		806-866	824-896	851-896	869-902
		896-940	902-928	928-970	936-970
		2400-2500			
		3	Gain	0 = Unity	3 = 3 dBd
6 = 6 dBd	7 = 7 dBd				

Model	Frequency Range	Tuned Frequency	Length
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VHF UNITY GAIN MODELS

FG1400	140-144 MHz	142 MHz	68"
FG1440	144-148 MHz	146 MHz	68"
FG1480	148-152 MHz	150 MHz	68"
FG1520	152-156 MHz	154 MHz	68"
FG1560	156-162 MHz	159 MHz	68"
FG1620	162-168 MHz	165 MHz	68"
FG2200	220-225 MHz	222.5 MHz	68"

VHF 3 dBd GAIN MODELS

FG1403	140-144 MHz	142 MHz	107"
FG1443	144-148 MHz	146 MHz	107"
FG1483	148-152 MHz	150 MHz	107"
FG1523	152-156 MHz	154 MHz	107"
FG1563	156-162 MHz	159 MHz	107"
FG1623	162-168 MHz	165 MHz	107"
FG1683	168-174 MHz	171 MHz	107"
FG2203	220-225 MHz	222.5 MHz	107"

UHF UNITY GAIN MODELS

FG4060	406-416 MHz	411 MHz	26"
FG4100	410-430 MHz	420 MHz	26"
FG4300	430-450 MHz	440 MHz	26"
FG4500	450-470 MHz	460 MHz	26"
FG4900	490-512 MHz	501 MHz	26"

UHF 3 dBd GAIN MODELS

FG3603	360-380 MHz	370 MHz	44"
FG3803	380-390 MHz	385 MHz	44"
FG4063	406-416 MHz	411 MHz	44"
FG4103	410-420 MHz	415 MHz	44"
FG4203	420-430 MHz	425 MHz	44"
FG4303	430-440 MHz	435 MHz	44"
FG4403	440-450 MHz	445 MHz	44"
FG4503	450-460 MHz	455 MHz	44"
FG4603	460-470 MHz	465 MHz	44"
FG5003	500-512 MHz	506 MHz	44"

UHF 5 dBd GAIN MODELS

FG4065	406-416 MHz	411 MHz	76"
FG4205	420-430 MHz	425 MHz	76"
FG4305	430-440 MHz	435 MHz	76"
FG4405	440-450 MHz	445 MHz	76"
FG4505	450-460 MHz	455 MHz	76"
FG4505W	450-470 MHz	460 MHz	76"
FG4605	460-470 MHz	465 MHz	76"
FG4705	470-480 MHz	475 MHz	76"

UHF 7 dBd GAIN MODELS

FG4407	440-450 MHz	445 MHz	107"
FG4507	450-460 MHz	455 MHz	107"
FG4607	460-470 MHz	465 MHz	107"
FG4907	490-500 MHz	495 MHz	107"
FG5007	500-512 MHz	506 MHz	107"

ANTENEX® Gold Fiberglass Base Station antennas are collinear designs enclosed in a high density fiberglass, which is covered with a protective ultraviolet inhibiting coating.

The radiating elements are made from high efficiency copper and are carefully phased to provide maximum gain in the horizontal plane. The mounting sleeves are tuned to eliminate RF currents from the transmission line resulting in a “cold” sleeve allowing great freedom in mounting. This high quality and well-focused beam provides the highest gain and best efficiency.

Every FG fiberglass base antenna is tested on a network analyzer before shipping to assure the best VSWR performance.

Model	Frequency Range	Tuned Frequency	Length
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800/900 MHz UNITY GAIN MODELS

FG8060	806-866 MHz	813.5 MHz	15"
FG8240	824-896 MHz	835 MHz	15"
FG8960	896-940 MHz	898 MHz	15"
FG9360	936-970 MHz	953 MHz	15"

800/900 MHz 3 dBd GAIN MODELS

FG8063	806-866 MHz	813.5 MHz	25"
FG8243	824-896 MHz	835 MHz	25"
FG8693	869-902 MHz	882 MHz	25"
FG8963	896-940 MHz	898 MHz	25"
FG9023	902-928 MHz	915 MHz	25"
FG9283	928-970 MHz	930 MHz	25"

800/900 MHz 6 dBd GAIN MODELS

FG8066	806-866 MHz	813.5 MHz	65"
FG8246	824-896 MHz	835 MHz	65"
FG8966	896-940 MHz	898 MHz	65"
FG9026	902-928 MHz	915 MHz	65"
FG9286	928-970 MHz	930 MHz	65"
FG9366	936-970 MHz	947 MHz	65"

2.4 GHz 3 dBd MODELS

FG24003	2400-2500 MHz	2450 MHz	14"
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2.4 GHz 6 dBd MODELS

FG24006	2400-2500 MHz	2450 MHz	24"
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Model	Description
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Fiberglass Base Antennas Mounting Options

FM1	Stainless Steel U-Bolt Mount (2)
FM2	Fiberglass Mounting Bracket (2)
FMS9	9 Inch Standoff (2)
FMW4	4 Inch Wall Mount

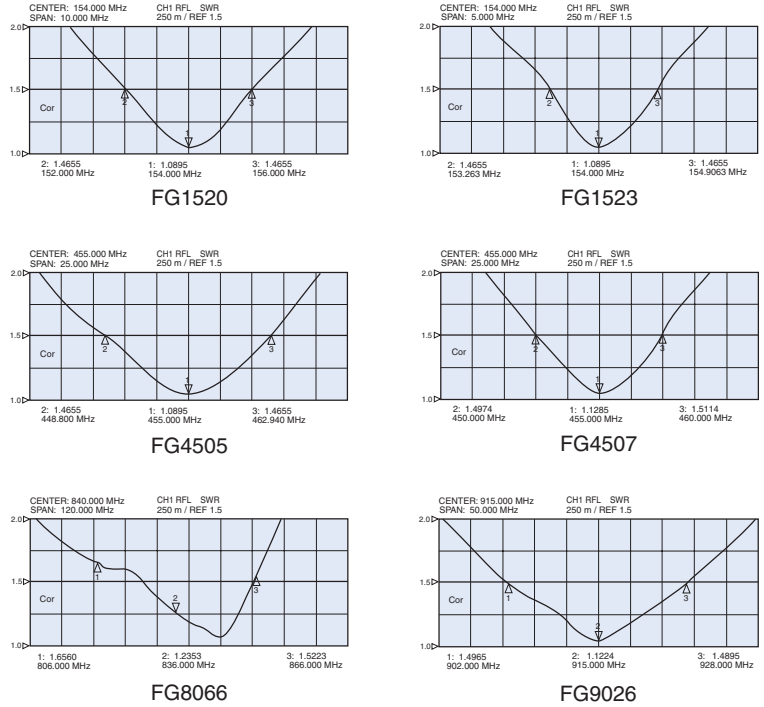
MOBILE TO BASE CONVERTER

MBC	Mobile-to-base Converter for VHF and UHF, S0239 Terminated
MBCN	Mobile-to-base Converter for VHF and UHF, N Terminated
MBC800	Mobile-to-base Converter for 800 and 900 MHz, N Terminated

FIBERGLASS BASE ANTENNA ACCESSORIES

LAIL350NN	In-Line Lightning Arrestor N to N	
LABH350NN	Bulk Head Lightning Arrestor N to N	
LABH2400NN	Bulkhead Lightning Arrestors N to N	
CCT213	Heavy Duty Crimp Tool	
CN400	Type N Male	
R400100	100' Spool High Performance LMR400	
R400500	500' Spool High Performance LMR400	
PT40025NN	Pigtail 25 ft. LMR400 N to N	
PT40050NN	Pigtail 50 ft. LMR400 N to N	
PT40075NN	Pigtail 75 ft. LMR400 N to N	
PT400100NN	Pigtail 100 ft. LMR400 N to N	
IASFST	36 ft. Roll of MOCAP Installation Tape	32.00
IASFST10	Six pack of 10" strips of MOCAP Installation Tape	6.10

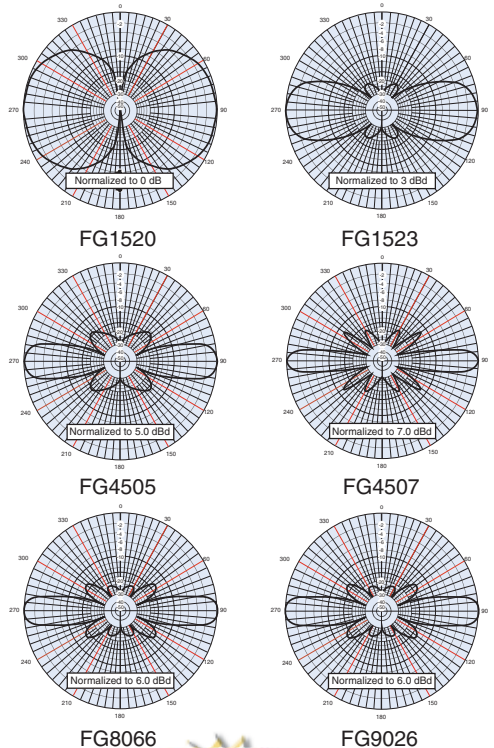
VSWR



Vertical Field Patterns



MBC800 Shown With Optional B8063 Antenna



LAIL350NN - In-line Lightning Arrestor N to N



MOCAP Tape IASFST



IASFST10

Voyager® Patented Internal Matching

A classic design updated for the 21st century, the Voyager features superb design and manufacturing to give you an elegant, yet inexpensive base antenna that you can use over and over again. **ANTENEX®** has added many features that our competition hasn't even dreamed of. Our engineers have replaced the usual obnoxious tuning rings and phasing stubs with a state of the art patented internal matching network. Our plated N connector isn't left hanging in the wind, it is protected by the antenna sleeve. This gold anodized aluminum sleeve provides a protective covering as well as a great look and solid mounting.

Features & Benefits

- Gold Anodized Aluminum
- Internal Matching Network
- N Female Connector
- 100% Tested before Shipping
- Broad Banded
- FedEx/UPS Shippable
- Patented Technology
- Field Tunable

Technical Data

Product Features & Information

- **Max Power:** 250 watts (VHF, UHF)
- **Termination:** "N" Female, or optional SO239 connector
- **Impedance:** 50 Ohms - DC Continuity
- **Lightning Protection:** DC Ground
- **Finish:** Gold Anodized
- **Radiator Material:** 6061-T6 Aluminum Tube
- **Wind Survival:** 100 M.P.H. (Standard)
- **Length:** VHF 0 dBi: 55"; 5 dBi: 102" - typical extended
UHF 0 dBi: 25"; 5 dBi: 35" typical extended (other models vary)
- **Vertical Beamwidth:** 2 dBi: 70°, 5 dBi: 35°
- **Bandwidth @ 1.5:1 VSWR:** 2 dBi: 5% of center frequency
5 dBi: 2.5% of center frequency
6 dBi: 2% of center frequency
- **Bandwidth @ 2.0:1 VSWR:** 2 dBi: 10% of center frequency
5 dBi: 5% of center frequency
6 dBi: 4% of center frequency
- **Weight:** VHF Unity: 1.2 lbs
VHF 5 dBi: 2.5 lbs
UHF Unity: 0.6 lbs
UHF 5 dBi: 1.5 lbs
- **Equivalent Flat Plate Area:** VHF Unity: 36"²
VHF 5 dBi: 72"²
UHF Unity: 15"²
UHF 5 dBi: 22"²
- **Windthrust @ 100 M.P.H. & 0°F:** VHF Unity: 4.5 lbs
VHF 5 dBi: 11.6 lbs
UHF Unity: 2.5 lbs
UHF 5 dBi: 4 lbs
- **Mounting:** FM2 All VHF or UHF models



VG1505, VG4505
Voyager® Antennas

Ordering Guide - Clear, Easy & Sensible!

VG1505 = Voyager® Gold Aluminum Base Antenna, 150-174 MHz, 5 dBi.

VG	Antenna Style	VG = Voyager® Gold Aluminum Base Antenna
150	Frequency	Frequency component of part number in bold below: 132-150 150-174 200-225 406-450 450-512
5	Gain	2 = 2 dBi 5 = 5 dBi 6 = 6 dBi

U.S. Patent #5612705 - International Patents Pending.

Model Frequency Gain

VHF MODELS

VG1502	150-174 MHz	2 dBi
VG1325	132-150 MHz	5 dBi
VG1505	150-174 MHz	5 dBi
VG1326	132-150 MHz	6 dBi
VG1506	150-174 MHz	6 dBi
VG2002	200-225 MHz	2 dBi

UHF MODELS

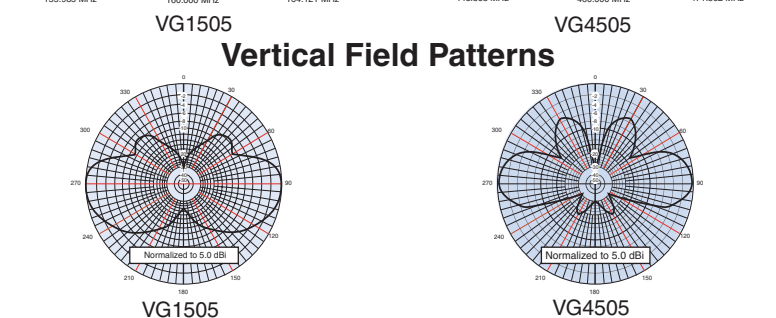
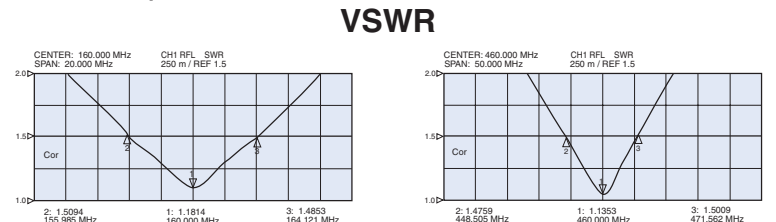
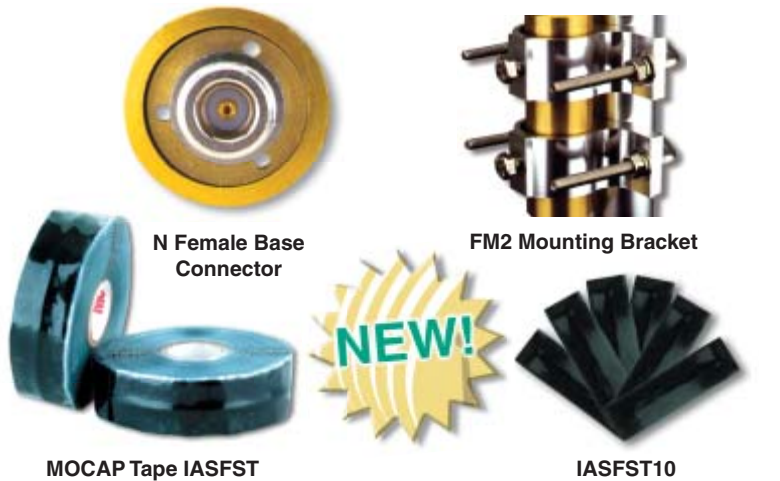
VG4065	406-450 MHz	5 dBi
VG4505	450-512 MHz	5 dBi
VG4506	450-512 MHz	6 dBi

Model Description

MOUNTING OPTIONS

FM2	Mounting Bracket (2)	
IASFST	36 ft. Roll of MOCAP Installation Tape	32.00
IASFST10	Six pack of 10" strips of MOCAP Installation Tape	6.10

To convert dBi (isotropic) to dBd (dipole) subtract 2.
All models are FedEx/UPS shippable.



Point-to-Point

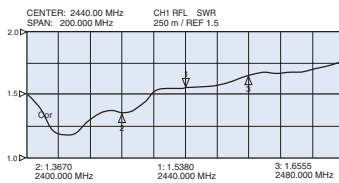


Featuring superior rugged construction, the new YE series enclosed yagi from **ANTENEX**® is solidly constructed and cannot be disassembled by hand. This 2.4 GHz, 15 element Yagi antenna has a directional 12.5 dBd gain, with an outdoor rated tubular radome. The antenna is 18" long and 3" in diameter and ships complete with two 2" stainless steel U-bolts and brackets for easy mast mounting. Utilizing a heavy aluminum mounting plate for long-term survivability, the rigid laser cut aircraft quality aluminum internal element and air filled radome yields a higher efficiency and greater performance than any stamped or printed circuit versions. The antenna also features a low loss Teflon based folded dipole feed. Weighing in at only 1.6 lbs., this enclosed yagi comes with 18" of low loss coax cable and is terminated with an N female connector. The YE has a VSWR of <2.0:1 from 2.4 GHz to 2.48 GHz and can be mounted outdoors in the most harsh weather conditions. This antenna is the answer for your WLAN installation challenges!

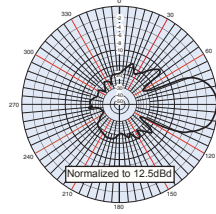


2.4 GHz Enclosed Yagi with U-bolts

VSWR



Vertical Field Pattern



Technical Data - Product Features & Information

- **Frequency** 2.4 to 2.48 GHz
- **Gain** 12.5 dBd
- **Impedance** 50 ohms
- **VSWR** <2.1:1
- **Polarization** Vertical
- **Front-to-Back Ratio** 20 dB
- **Weight** 1.6 lbs
- **Termination** 18" pigtail of low loss cable terminated with an N female connector
- **Length** 18 inches long
- **Diameter** 3 inches
- **Mounts** Included are two 2 inch U-bolts and brackets for easy mast mounting

Model	Frequency	Gain	Front-Back Ratio
YE240015	2400-2500 2.48 GHz	12.5 dBd	20 dB

CDPD / ISM / GPRS

CDPD

Model	Frequency Range	Radome Height	Gain
Phantom® White Models			
TRA8213	824-896 MHz	2.30"	3 dB-MEG*
TRA8213P	824-896 MHz	2.30"	3 dB-MEG*
TRA8213NP	824-896 MHz	2.30"	3 dB-MEG*
TRA8213N	824-896 MHz	2.30"	3 dB-MEG*

Model	Frequency Range	Radome Height	Gain
Phantom® Black Models			
TRAB8213	824-896 MHz	2.30"	3 dB-MEG*
TRAB8213P	824-896 MHz	2.30"	3 dB-MEG*
TRAB8213NP	824-896 MHz	2.30"	3 dB-MEG*
TRAB8213N	824-896 MHz	2.30"	3 dB-MEG*

*Gain on a Phantom® antenna is measured in db-MEG. For more information on db-MEG, visit our website at <http://www.antenex.com>.

Model	Frequency Range	Tuned Frequency	Length
Fiberglass Omnidirectional			
FG8243	824-896 MHz	915 MHz	25"
FG8246	824-896 MHz	915 MHz	65"

Model	Frequency Range	Elements	Gain	Front-Back Ratio
Directional Yagis				
Y8066	824-896 MHz	6	9 dBd	16 dB
Y80162	824-896 MHz	12	11 dBd	20 dB

ISM

Model	Frequency Range	Radome Height	Gain
Phantom® White Models			
TRA9023	902-928 MHz	2.30"	3 dB-MEG*
TRA9023P	902-928 MHz	2.30"	3 dB-MEG*
TRA9023NP	902-928 MHz	2.30"	3 dB-MEG*
TRA9023N	902-928 MHz	2.30"	3 dB-MEG*

Phantom® Black Models

TRAB9023	902-928 MHz	2.30"	3 dB-MEG*
TRAB9023P	902-928 MHz	2.30"	3 dB-MEG*
TRAB9023NP	902-928 MHz	2.30"	3 dB-MEG*
TRAB9023N	902-928 MHz	2.30"	3 dB-MEG*

*Gain on a Phantom® antenna is measured in db-MEG. For more information on db-MEG, visit our website at <http://www.antenex.com>.

Model	Frequency Range	Tuned Frequency	Length
Fiberglass Omnidirectional			
FG9023	902-928 MHz	915 MHz	25"
FG9026	902-928 MHz	915 MHz	65"

Model	Frequency Range	Elements	Gain	Front-Back Ratio
Directional Yagis				
Y8966	896-970 MHz	6	9 dBd	16 dB
Y89612	896-970 MHz	12	11 dBd	20 dB

Model	Frequency Range	Gain	Whip Style
Mobile Load Coil Antennas			
B8965C	896-970 MHz	5 dB	13 3/4" Collinear
B8965CN	896-970 MHz	5 dB	13 3/4" Collinear

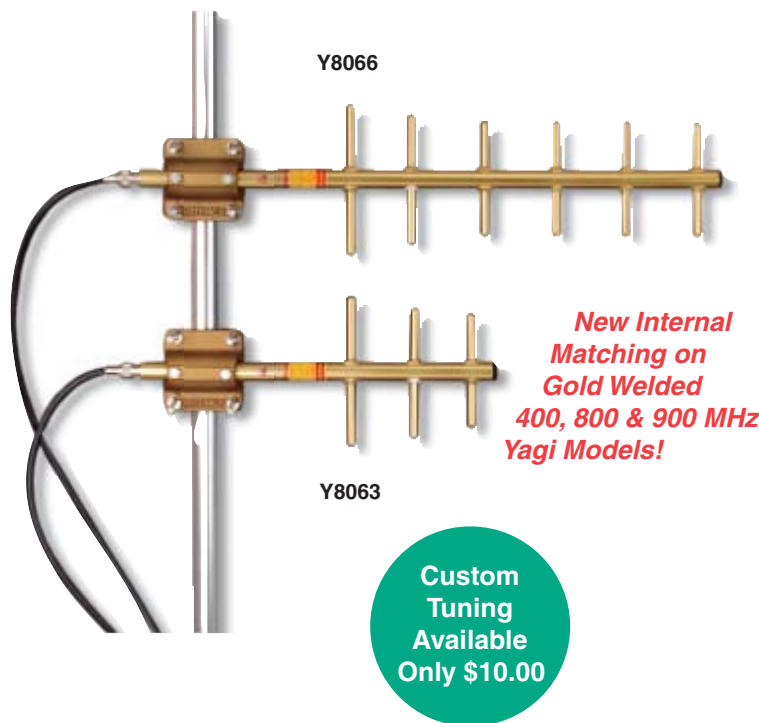
GPRS

Model	Frequency Range	Radome Height	Gain
Phantom® White Models			
TRA18503	1850-1970 MHz	2.30"	3 dB-MEG*
TRA18503N	1850-1970 MHz	2.30"	3 dB-MEG*
TRA18503NP	1850-1970 MHz	2.30"	3 dB-MEG*
TRA18503P	1850-1970 MHz	2.30"	3 dB-MEG*

Model	Frequency Range	Radome Height	Gain
Phantom® Black Models			
TRAB18503	1850-1970 MHz	2.30"	3 dB-MEG*
TRAB18503N	1850-1970 MHz	2.30"	3 dB-MEG*
TRAB18503NP	1850-1970 MHz	2.30"	3 dB-MEG*
TRAB18503P	1850-1970 MHz	2.30"	3 dB-MEG*

Directional Yagis - Internally Matched Gold Series

This is undoubtedly the most fully featured internally matched Yagi available. This design features an end-of-boom N connector feed with an internal transmission line feeding the driven element. Internal matching achieves broad bandwidth and is highly weather resistant. There is no gamma match to ice up, corrode or detune. The fully welded **ANTENEX**® Yagi antenna features 360-degree welds around each element and is fully gold anodized for corrosion resistance. Our engineering staff has optimized this product design for forward gain by computer analysis and then field-tested each for conformance.



Technical Data - Product Features & Information

- **VSWR:** <1.5:1
- **Maximum Power:** 500 watts - VHF
300 watts - UHF & 800/900 MHz
- **Impedance:** 50 ohms
- **Mounting:** Gold Welded VHF up to 2 - 1/2" mast. UHF and 800/900 MHz up to 2 - 1/2" mast.
Silver Series VHF up to 2" mast. UHF and 800/900 MHz up to 1 - 5/8" mast.
- **Tuning:** VHF Yagi's are pre-tuned on a Network Analyzer to the lowest frequency for that model. Others are center tuned.
- **Elements Material:** 3/8" diameter solid 6061-T6 aluminum.
- **Boom Material:** Heat treated 6061-T6 aluminum tube.
- **Boom Diameter:** UHF, 800/900 MHz - 7/8"
VHF - 3 dB 7/8", 5 dB 1 1/4"
- **Finish:** Protective gold or black anodized finish.
Allow longer lead time for black finish models.
Silver Series feature a bright finish.
- **Shipping:** All models are FedEx/UPS shippable.
Welded VHF may require truck freight.
- **Assembly:** VHF models require light assembly.
All other models come fully assembled.
- **Mounting:** Stainless steel brackets included.
- **Termination Type:** N Female. SO239 (UHF female available upon request).
- **Boom Length:**

VHF	3 Element - 41-1/2"	5 Element - 72"
UHF	3 Element - 20-3/16"	5 Element - 37"
	6 Element - 44"	12 Element - 72"
800/900	3 Element - 16-3/4"	6 Element - 27-3/4"
	12 Element - 49"	

Ordering Guide - Clear, Easy & Sensible!

Y4505 = Fully Welded Yagi in gold, 450-470 MHz, 5 Elements.

Y	Antenna Style	Y = Welded and Gold Anodized Yagi YB = Welded and Black Anodized Yagi YS = Silver Series Yagi Black finish is not available on the Silver Series.		
450	Frequency	Frequency component of part number in bold below: 136-150 150-174 220-250 406-430 430-450 450-470 470-490 490-512 806-896 896-970		
5	Elements	3 = 3 Elements	5 = 5 Elements	6 = 6 Elements
			12 = 12 Elements	

Mounting brackets included at no extra charge.

Model	Frequency	Elements	Gain	Front-Back Ratio
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FULLY WELDED NON-ANODIZED VHF MODELS

YXXX3W	User Defined	3	7.1 dBd	17 dB
YXXX5W	User Defined	5	9.2 dBd	20 dB

GOLD ANODIZED VHF MODELS

Y1363	136-150 MHz	3	7.1 dBd	17 dB
Y1365	136-150 MHz	5	9.2 dBd	20 dB
Y1503	150-174 MHz	3	7.1 dBd	17 dB
Y1505	150-174 MHz	5	9.2 dBd	20 dB
Y2203	220-250 MHz	3	7.1 dBd	17 dB
Y2205	220-250 MHz	5	9.2 dBd	20 dB

GOLD ANODIZED FULLY WELDED UHF MODELS

Y4065	406-430 MHz	5	9.2 dBd	20 dB
Y4066	406-430 MHz	6	10.2 dBd	20 dB
Y4303	430-450 MHz	3	7.1 dBd	17 dB
Y4305	430-450 MHz	5	9.2 dBd	20 dB
Y4306	430-450 MHz	6	10.2 dBd	20 dB
Y43012	430-450 MHz	12	11 dBd	20 dB
Y4503	450-470 MHz	3	7.1 dBd	17 dB
Y4505	450-470 MHz	5	9.2 dBd	20 dB
Y4506	450-470 MHz	6	10.2 dBd	20 dB
Y45012	450-470 MHz	12	11 dBd	20 dB
Y4705	470-490 MHz	5	9.2 dBd	20 dB
Y4706	470-490 MHz	6	10.2 dBd	20 dB

GOLD ANODIZED FULLY WELDED 800/900 MHz MODELS

Y8063	806-896 MHz	3	6 dBd	15 dB
Y8066	806-896 MHz	6	9 dBd	16 dB
Y80612	806-896 MHz	12	11 dBd	20 dB
Y8963	896-970 MHz	3	6 dBd	15 dB
Y8966	896-970 MHz	6	9 dBd	16 dB
Y89612	896-970 MHz	12	11 dBd	20 dB

BLACK ANODIZED FULLY WELDED UHF MODELS

YB4505	450-470 MHz	5	9.2 dBd	20 dB
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BLACK ANODIZED FULLY WELDED 800/900 MHz MODELS

YB8066	806-896 MHz	6	9 dBd	16 dB
YB8966	896-970 MHz	6	9 dBd	16 dB

REPLACEMENT MOUNTING KITS

YM78 HD Mount Bracket for 7/8" Boom Yagi

YM78HD HD Yagi Mounting Kit for 7/8" Boom

YM100HD HD Yagi Mounting Kit for 1" Boom

YM125HD HD Mount Bracket for 1-1/4" Boom Yagi



Mounting Kits
YM78HD, YM100HD, YM125HD

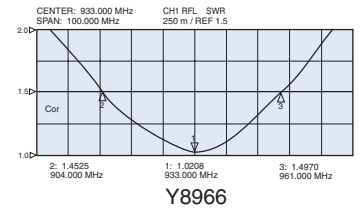
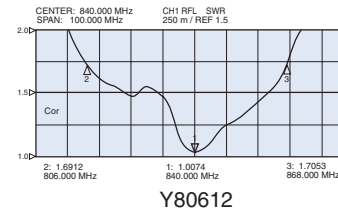
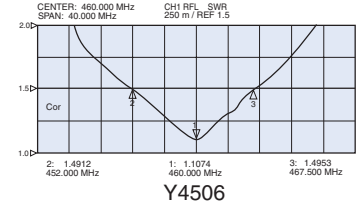
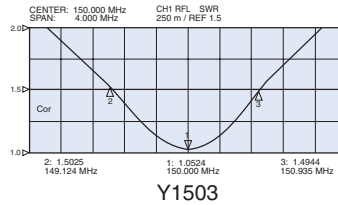
LAL1350NN - Inline
Lighting Arrestor N to N

Directional Yagis - Gamma Match Silver Series



Don't forget, each Yagi is hand tuned on a network analyzer for best power match and lowest VSWR. This is your assurance of the best possible performance every time. Each yagi also ships complete with a high quality cast aluminum cast mounting kit that includes stainless steel hardware and allows vertical or horizontal orientation during install. Whether your installation calls for the super high durability of a fully welded Yagi or the lower cost, yet very high durability of a silver series Yagi, **ANTENEX**® promises to be the correct choice for your demanding application.

VSWR



Front-Back Ratio

SILVER SERIES VHF MODELS

Model	Frequency	Elements	Gain	Ratio
YS1363	136-150 MHz	3	7.1 dBd	17 dB
YS1503	150-174 MHz	3	7.1 dBd	17 dB
YS1505	150-174 MHz	5	9.2 dBd	20 dB
YS2165	216-225 MHz	5	9.2 dBd	20 dB
YS2203	220-250 MHz	3	7.1 dBd	17 dB
YS2205	220-250 MHz	5	9.2 dBd	20 dB

SILVER SERIES UHF MODELS

YS3406	340-360 MHz	6	10.2 dBd	20 dB
YS4063	406-430 MHz	3	7.1 dBd	17 dB
YS4065	406-430 MHz	5	9.2 dBd	20 dB
YS4303	430-450 MHz	3	7.1 dBd	17 dB
YS4305	430-450 MHz	5	9.2 dBd	20 dB
YS4306	430-450 MHz	6	10.2 dBd	20 dB
YS43012	430-450 MHz	12	11 dBd	20 dB
YS4503	450-470 MHz	3	7.1 dBd	17 dB
YS4505	450-470 MHz	5	9.2 dBd	20 dB
YS4506	450-470 MHz	6	10.2 dBd	20 dB
YS45012	450-470 MHz	12	11 dBd	20 dB
YS47012	470-490 MHz	12	11 dBd	20 dB
YS4906	490-512 MHz	6	10.2 dBd	20 dB

SILVER SERIES 800/900 MHz MODELS

YS8063	806-896 MHz	3	6 dBd	15 dB
YS8066	806-896 MHz	6	9 dBd	16 dB
YS80612	806-896 MHz	12	11 dBd	20 dB
YS8963	896-970 MHz	3	6 dBd	15 dB
YS8966	896-970 MHz	6	9 dBd	16 dB
YS89612	896-970 MHz	12	11 dBd	20 dB

ENCLOSED 2.4 GHz MODEL

YE240015	2.4-2.5 GHz	12.5 dBd	20 dB
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Model Description

ANTENNA MASTS

YMST4	4'x1-1/4" OD x .065" wall alum. mast
YMST8	8'x1-1/4" OD x .065" wall alum. mast
YMST18	18'x1-1/4" OD x .065" wall alum. mast (2p)

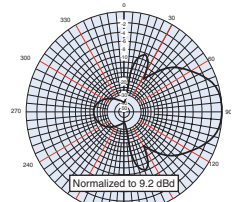
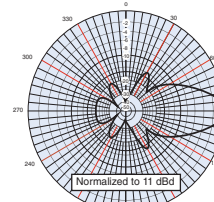
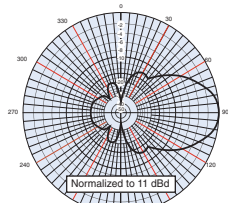
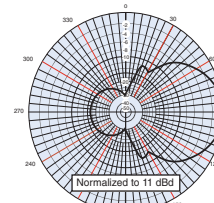
YAGI ACCESSORIES

LAIL350NN	Inline Lightning Arrestor N to N	79.16
LABH350NN	Bulk Head Lightning Arrestor N to N	79.16
LABH2400NN	Bulkhead Lightning Arrestors N to N	79.16
CCT213	Crimp Tool For LMR400	71.95
CN400	N Connector For LMR400	8.00
R400100	100 ft. Roll of LMR400	140.00
R400500	500 ft. Roll of LMR400	650.00
IASFST	36 ft. Roll of MOCAP Installation Tape	32.00
IASFST10	Six pack of 10' strips of MOCAP Installation Tape	6.10



YE240015 Enclosed Yagi with U-bolts

Vertical Field Patterns



Close up of Traditional Gamma Match Silver Series Yagi



MOCAP Tape IASFST

VHF Yagi antennas have bolted elements and require light assembly to maintain FedEx/UPS shippability.

The Silver Series Yagi antennas have the same great optimized designs and plated brass connectors as our welded gold anodized models.

Gold welded 400, 800 and 900 models have internal direct feed matching. All other models have the traditional gamma match feed.

Folded Dipole Array

The **ANTENEX**® Folded Dipole Array is a heavy duty, gold anodized and broadband antenna of the highest quality. This high gain version is available in 1/4 wave and 1/2 wave dipole-to-mast spacing to suit your specific pattern requirements. Ideally suited for multi-coupled systems, it features internal cabling and fixed dipoles. Our antennas are well suited for harsh weather environments where the anodized finish will maintain pattern performance over time.

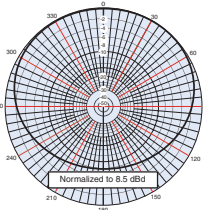


YDAF4034
Internal Cabling

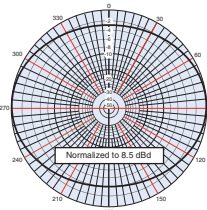


**Single Bay
Folded Dipole**

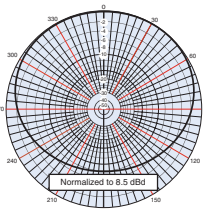
Horizontal Field Patterns



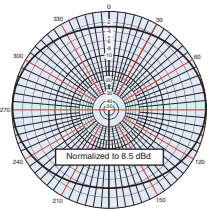
2 Bay 1/4 Wave Spacing



2 Bay 1/2 Wave Spacing

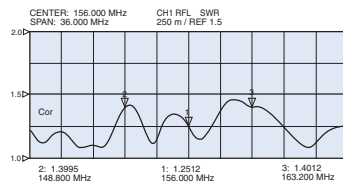


4 Bay 1/4 Wave Spacing

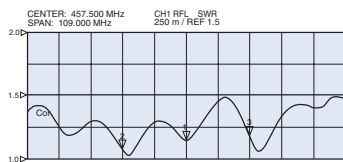


4 Bay 1/2 Wave Spacing

VSWR



YDAF1384-1/4
YDAF1384-1/2



YDAF4034-1/4
YDAF4034-1/2

Ordering Guide - Clear, Easy & Sensible!

YDAF4034 = Welded, Folded Dipole Array, 403-470 MHz, 1/4 wave spacing, 4 Bays

Y	Antenna Style	Y = Welded Folded Dipole Array		
DAF	No-Tune	DAF = Folded Dipole Array		
403	Frequency	Frequency component of part number in bold below: 138-174 220-240 403-470		
4	Bays	2 = 2 Bays, 4 = 4 Bays		
2		Blank = 1/4 wave, 2 = 1/2 wave		

Model	Frequency	Gain	Dipole Spacing	Bays
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Folded Dipole Array 2 Bay Antennas

YDAF1382	138-174 MHz	5.5 dBd	1/4 wave	2 Bay
YDAF13822	138-174 MHz	5.5 dBd	1/2 wave	2 Bay
YDAF2202	220-240 MHz	5.5 dBd	1/4 wave	2 Bay
YDAF4032	403-470 MHz	5.5 dBd	1/4 wave	2 Bay

Folded Dipole Array 4 Bay Antennas

YDAF1384	138-174 MHz	8.5 dBd	1/4 wave	4 Bay
YDAF13842	138-174 MHz	8.5 dBd	1/2 wave	4 Bay
YDAF2204	220-240 MHz	8.5 dBd	1/4 wave	4 Bay
YDAF4034	403-470 MHz	8.5 dBd	1/4 wave	4 Bay
YDAF40342	403-470 MHz	8.5 dBd	1/2 wave	4 Bay

Model	Description
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Mounting Options

FM3	Heavy Duty Large Base Antenna Mount (2)
FM3W	Heavy Duty Large Base w/ Center Weld (2)

Folded Dipole Array Accessories

IASFST	36 ft. Roll of MOCAP Installation Tape	32.00
IASFST10	Six pack of 10" strips of MOCAP Installation Tape	6.10



**FM3W- Welded Heavy Duty
Mounting Bracket**

MOCAP Tape IASFST

IASFST10

Technical Data - Product Features & Information

- Bandwidth:**

YDAF1382: 138-174	YDAF1384: 138-174
YDAF2202: 220-245	YDAF2204: 220-245
YDAF4032: 403-470	YDAF4034: 403-470
- Power Rating:** 300 watts all models
- Lightning Protection:** DC Ground (all models)
- Height:**

YDAF1382: 120 in.	YDAF1384: 240 in.
YDAF2202: 96 in.	YDAF2204: 168 in.
YDAF4032: 80 in.	YDAF4034: 120 in.
- Weight:**

YDAF1382: 18 lbs.	YDAF1384: 56 lbs.
YDAF2202: 22 lbs.	YDAF2204: 36 lbs.
YDAF4032: 12 lbs.	YDAF4034: 15 lbs.
- Rated Wind Velocity:**

YDAF1382 / 1384: 120 mph.
YDAF 2202 / 2204: 150 mph.
YDAF 4032 / 4034: 150 mph.
- Mast:** 2.4 inch O.D. all models.
- Temperature:** to 150° F
- Termination:** 24 inch RG213 coax with N Female Connector

Dipole Array & Power Dividers



Don't let the price of our YDA Dipole antenna mislead you. This is a serious antenna with high class features, such as full gold anodization, fully welded elements, and nickel plated brass "N" connector. Our two and four bay dipole antenna array provides unmatched flexibility for both radiation pattern and frequency adjustment. Dipole Arrays will give you complete control over the frequency and power balance for your installation and may be mounted in configurations to create customized broadside, omnidirectional, or end fire patterns. Each model includes mounting kits for each system, and are FedEx/UPS shippable.



Custom pattern information is not provided for these arrays. They should therefore be installed by experienced installation technicians only.



Power Divider - YPD4N**
(Included)



MOCAP Tape IASFST

IASFST10

Dipole Array - YDA4504
(mast not included)

Technical Data - Product Features & Information

- **VSWR:** <1.5:1
- **Max Power:** 300 watts
- **Impedance:** 50 ohms
- **Termination Type:** N Female and SO239 upon request
- **Lightning Protection:** DC Ground
- **Vertical Beam at 1/2 Power:**
 - Unity - 90 degrees
 - 3 dB - 39 degrees
 - 6 dB - 24 degrees
 - 9 dB - 15 degrees
- **Mast Size Needed:**
 - VHF** 3 dB - 8 ft.
 - 6 dB - 18 ft.
 - UHF** 3 dB - 4 ft.
 - 6 dB - 8 ft.
- **Element Material:** 3/8" diameter solid 6061-T6 aluminum rod 100 M.P.H.
- **Wind Survival:** Heat treated 6061-T6 aluminum tube.
- **Boom Material:** Stainless steel U-Bolt included.
- **Hardware:**

Ordering Guide - Clear, Easy & Sensible!

YDA4504 = Dipole Array, 450-470 MHz, 4 Dipole Bays.

YDA	Antenna Style	YDA = Dipole Array		
450	Frequency	Frequency component of part number in bold below:		
		136-150	150-174	450-470
4	Quantity of Bays	470-490	490-512	
		2 = Dipole Bays 4 = Dipole Bays		

Mounting Brackets with stainless steel hardware included at no charge.

Model	Frequency	Omni Gain	Offset Gain	Dipole Bays
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DIPOLE ARRAYS 2 BAYS

YDA1502	150-174	3 dBd	6 dBd	2
YDA4502	450-470	3 dBd	6 dBd	2

SINGLE OR REPLACEMENT DIPOLES

YDA***1	Specify Freq. Unity	N/A		
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DIPOLE ARRAYS 4 BAYS

YDA1364	136-150	6 dBd	9 dBd	4
YDA1504	150-174	6 dBd	9 dBd	4
YDA4504	450-470	6 dBd	9 dBd	4
YDA4704	470-490	6 dBd	9 dBd	4
YDA4904	490-512	6 dBd	9 dBd	4

ANTENNA MASTS

YMST4	4"x1-1/4" OD x .065" wall alum. mast
YMST8	8"x1-1/4" OD x .065" wall alum. mast
YMST18	18"x1-1/4" OD x .065" wall alum. mast (2p)

Model	Description
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REPLACEMENT POWER DIVIDERS / STACKING HARNESSSES

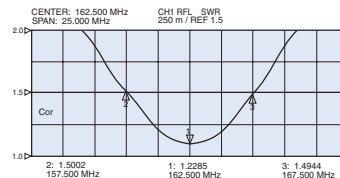
YPD***2N	For 2 bay array or to stack 2 Yagis (N)
YPD***2P	For 2 bay array or to stack 2 Yagis (PL259)
YPD***4N	For 4 bay array (N)
YPD***4P	For 4 bay array (PL259)
YPD8**2N	For stacking 2 800 MHz Yagis (N)
YPD9**2N	For stacking 2 900 MHz Yagis (N)

DIPOLE ARRAY ACCESSORIES

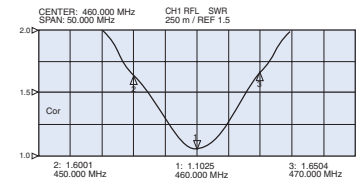
IASFST	36 ft. Roll of MOCAP Installation Tape	32.00
IASFST10	Six pack of 10" strips of MOCAP Installation Tape	6.10

For a dipole array power divider, *** = Band.
For a stacking harness, *** = Center Frequency.
N suffix for type N connector harness.
P suffix for PL259 connector harness.

VSWR

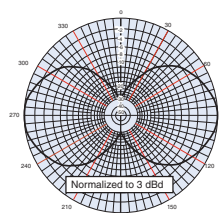


YDA1502

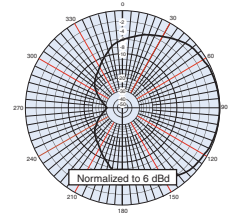


YDA4502

Vertical Field Patterns



YDA1502
Omnidirectional Pattern



YDA4502
Offset Pattern

StarGate™ Site Management

In today's cluttered repeater environments, intermod solutions are the site manager's goal. The **StarGate™** product line from **ANTENEX®** is the solution to this problem.

The precise design of our intermod panels can reduce IM products by better than 35 dB, restoring receiver integrity in a harsh environment.

Don't be fooled by the phrase "Mobile Duplexer". Our rugged pass reject duplexers are perfect for your low power repeater operations. Our commitment to the site manager doesn't end there. **ANTENEX®** went the extra mile to provide an even higher quality "pass notch" rack mount base duplexer.

Perhaps you installed all new cables on your new trunking system and cut them to minimum lengths to save line loss and suddenly you notice that some devices run hot! Using line matchers will reduce heat caused by mismatched cable lengths that create inductive or capacitive loads, thus restoring 50 ohms to your feed lines.

Once you have your transmitter in shape, don't neglect the receiver. **ANTENEX®** receiver amplifiers provide 16 dB gain or better with a low noise figure to complete your system.

NOTE: Free freight policy does not apply to some **StarGate™** models.



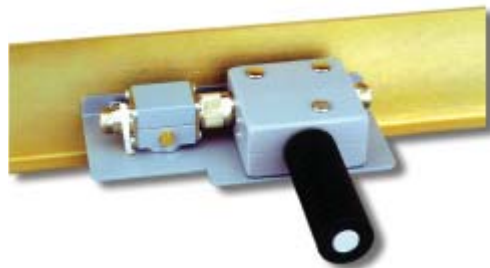
SGRA216B - Rx Amplifier



SGDM138B - Mobile Duplexer



SGDB440N - Base Duplexer



SGIP150N - Intermod Panel

Ordering Guide - Clear, Easy & Sensible!

SGDM150B - StarGate™ Mobile Duplexer, 150 MHz, BNC connector

SG	Style	SG = StarGate™ Line			
DM	Type	DM = Mobile Duplexer	DB = Base Duplexer		
		IP = Intermod Panel	IS = Isolator		
		RA = Amplifier	LM = Line Matcher		
150	Frequency	108-300	138-174	144-190	146-174
		150-225	216-225	300-650	406-512
		440-512	650-1000	806-960	
B	Connector	B = BNC	N = N connector		

When ordering, please indicate TX frequency and RX frequency

Model	Description	Connector	Frequency
SGDM138B	Mobile Duplexer	BNC	138-174MHz
SGDM440B	Mobile Duplexer	BNC	440-512 MHz
SGDM806B	Mobile Duplexer	BNC	806-894 MHz
SGDM138N	Mobile Duplexer	N	138-174 MHz
SGDM440N	Mobile Duplexer	N	440-512 MHz
SGDM806N	Mobile Duplexer	N	806-894 MHz
SGDB144N	Base Duplexer	N	144-190 MHz
SGDB440N	Base Duplexer	N	440-512 MHz
SGIP150N	Intermod Panel	N	150-300 MHz
SGIP300N	Intermod Panel	N	300-650 MHz
SGIS150N	Isolator	N	150-225 MHz
SGIS300N	Isolator	N	300-650 MHz
SGLM108N	Line Matcher	N	108-300 MHz
SGLM300N	Line Matcher	N	300-650 MHz
SGLM650N	Line Matcher	N	650-1000 MHz
SGRA30B	RX Amplifier	BNC	30-512 MHz
SGRA806B	RX Amplifier	BNC	806-960 MHz



SGLM108N - Line Matcher



SGIS150N - Isolator

Technical Data - Product Features & Information

Description	Frequency Band	Input Power	Isolation	Cavities
● Mobile Duplexer	138-174 MHz	40 WATTS	70+ dB	6
	440-512 MHz	40 WATTS	70+ dB	6
	138-174 MHz	40 WATTS	70+ dB	6
	440-512 MHz	40 WATTS	70+ dB	6
● Base Duplexer	806-894 MHz	40 WATTS	80+dB	6
	144-190 MHz	100 WATTS	80 dB	4
● Intermod Panel	440-512 MHz	100 WATTS	80 dB	4
	150-300 MHz	125 WATTS	35+dB	
● Isolator	300-650 MHz	125 WATTS	35+dB	
	150-225 MHz	20 WATTS	35+dB	
	300-650 MHz	20 WATTS	35+dB	

DESCRIPTION	Frequency Band	Input Power	Insertion Loss
● Line Matcher	108-300 MHz	250 WATTS	0.15 dB
	300-650 MHz	250 WATTS	0.15 dB
	650-1000 MHz	250 WATTS	0.15 dB

Description	Frequency Band	Gain	Noise Figure	Bias Voltage
● RX Amplifier	146-174 MHz	18.5 dB	3.0 dB	13.6V
	216-225 MHz	16.0 dB	3.5 dB	13.6V
	406-512 MHz	24.5 dB	2.4 dB	13.6V
	806-960 MHz	19.0 dB	3.4 dB	13.6V

Installation Accessories



The BLACKHAWK™ Noise Suppressor.

The NS3035 noise suppressor is a general purpose low pass filter used to reduce power line noise in both audio frequency and RF ranges. Rated at a full 30 amps, this product can be used in heavy equipment and even with marine 24 volt systems. It will protect sensitive communication devices from large transient spikes which are commonly generated by the ignition system.

The NS3035 noise suppressor features a high impact molded plastic housing with encapsulated components in a waterproof, vibration proof compound. Heavy gauge wire and a high current rating make this product the ideal add-on for the professional two-way radio, cellular, marine, C.B., or car audio installation.

The X-ACT™ Hole Saw.

A radio antenna installer's tool box just wouldn't be complete without the **ANTENEX® X-ACT™**. The **X-ACT™** cuts a precise hole in the vehicle mounting surface to allow the installation of industry standard **ANTENEX®** 3/4" permanent hole mounts. This innovative, one piece monolithic body design is machined from a single piece of hardened steel. It will not disassemble on the job!

The **X-ACT™** features a replaceable self-centering pilot drill (HS34DB) that prevents dangerous "walking" of the saw and a replaceable hardened saw blade (HS34RB). The **X-ACT™** also features a 1/8" depth limit that will prevent damage to the underlying headliner, yet it is deep enough to cut through thicker aluminum surfaces encountered on utility vehicles and ambulances. The **X-ACT™** is designed for a 3/8" drill chuck and is nickel plated to guard the tool against corrosion. The **X-ACT™** may also be used in other applications where a 3/4" hole is needed and depth is critical. Now in 3/8" also!

The TRAPPER™ Lightning Arrestor.

When installed properly in the feedline, the **ANTENEX® TRAPPER™** lightning arrestor can prevent costly repairs to sensitive radio equipment due to high energy transients during lightning strikes. The **TRAPPER™** limits surges to less than 45 volts in approximately 100 nanoseconds. The gas discharge tube changes from an open circuit to a short circuit in the presence of a voltage surge giving the surge a direct path to ground, thus protecting sensitive wireless equipment.

TRAPPER™ is designed with a rugged, gold anodized housing with high quality plated brass "N" connector and a user replaceable gas discharge tube (LA350GT). The **TRAPPER™** comes in two models; the LABH350 which allows for bulk head mounting and connector pass-through, and the LAIL350 which allows in-line placement only.

Technical Data - Product Features & Information

	LAIL350NN/LABH350NN	LABH2400NN
• Maximum Power:	1000 watts - P.E.P.	70 Watts - P.E.P.
• Breakdown Voltage:	350 Vac	90 - 130 Vac
• Impedance:	50 ohms (nom.)	50 ohms (nom.)
• Insertion Loss:	27-500 MHz < 0.1 dB 1000 MHz < 0.25 dB	1 GHz < 0.03 dB 4 GHz < 0.29 dB
• VSWR:	0-150 MHz < 1.1:1 150-1000 MHz < 1.2:1	1 GHz < -25 dB 4 GHz < -20 dB
• Protection:	5000 amps	1 shock = 20kA / 10 shocks = 10kA

MOCAP Installation Tape

MOCAP's Self-Fusing Silicone Installation tape bonds to itself within seconds and forms a permanent air & water tight seal within 24 hours. The unique adhesive free formula is easy to use and will not leave a sticky residue after removal. Stretches up to 300% allowing it to conform to any shape. MOCAP's Silicone Installation tape is a safe replacement for heat shrinkable sleeving and is also ideal for termination splicing, wire connections, bundling wires and cables, masking applications and quick emergency repairs. MOCAP Installation tape will save time and labor on installation, protect valuable equipment, and it pays for itself. This product will not crack or melt in temperatures from -60F to +500F. This material has a dielectric strength of 400 Volts per mil. While its tensile strength is 600 psi, this product insulates to 8000 volts. Precut 10" strips are available in convenient six piece packs, this avoids excess use of material and is sized for RG58 to LMR400 terminations.

Model Description

BLACKHAWK™ Noise Suppressor Models

NS1535	1-35 Volt 15 Amp Noise Suppressor
NS3035	1-35 Volt 30 Amp Noise Suppressor



NS1535 & NS3035 Noise Suppressors

Model Description

X-ACT™ Hole Saw

HS34	3/4" Hole Saw
HS38	3/8" Hole Saw

X-ACT™ Hole Saw Accessories

HS34RB	3/4" Hole Saw Replacement Blades (2)
HS34DB	3/4" Hole Saw Replacement Pilot Drill Bit
HS38DB	3/8" Hole Saw Replacement Pilot Drill Bit



HS34 X-ACT™ Hole Saw

HS38 X-ACT™ Hole Saw

US Patent: #D377495 International Patents Pending.



HS34DB

HS38DB

HS34RB

Model Description

TRAPPER™ Lightning Arrestor

LABH350NN	Bulk Head Lightning Arrestor N to N
LAIL350NN	Inline Lightning Arrestor N to N
LAIL350PP	Inline Lightning Arrestor SO239 to SO239
LA350GT	Replacement Gas Tube for LA350 Models
LABH2400NN	Bulk Head Lightning Arrestor N to N



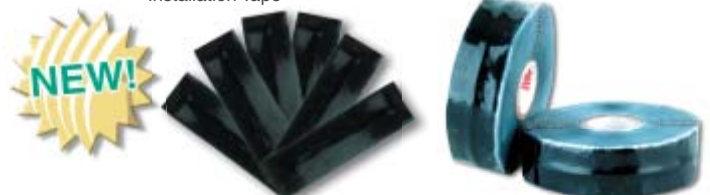
LABH2400NN - Bulk Head Lightning Arrestor N to N

LAIL350NN - Inline Lighting Arrestor N to N

Model Description

MOCAP Installation Tape

IASFST	36 ft. Roll of MOCAP Installation Tape	32.00
IASFST10	Six pack of 10" strips of MOCAP Installation Tape	6.10



IASFST10

IASFST

Portable Antennas

ANTENEX® portable antennas are manufactured with great structural integrity for maximum durability. Each antenna is individually tuned to standard frequency bands or your specific fixed transmit frequency for full gain and pattern performance. All connectors are machined to the highest tolerance and integrally secured for longer life.

Description
No. Model **Frequency** **Connector**
LOW BAND 27-88 MHz

1. **DEXL** (specify TX) 25-88 HT, KR, MX
 BNX, TNX

This antenna is injection molded with a strain relief base. This base loaded antenna is factory tuned to your specific transmit fixed frequency. Approximately 11" long.

Specifically tuned lowband antennas are custom.

1. **DEXL** 25-29, 30-35, HT, KR, MX
 36-41, 42-50, BNX, TNX
 66-75, 76-88

This antenna is injection molded with a strain relief base. This antenna is completely field tunable via its adjustable base loading coil. It is available in 6 tunable bands. Approximately 11" long.

2. **DEXW** 30-88 BNX, TNX

This antenna is an injection molded, highly efficient, continuous coverage, broadband model. Approximately 12" long.

VHF 118-225 MHz

3. **DEXB** (specify TX) 118-127, 127-136 HT, KR, MX
 136-144, 144-148 BN, BNX, SF
 148-155, 150-162 SFJ, SFU, SM
 155-164, 164-174 TN, TNX, PL
 220-225

Injection molded, helically wound, highly efficient 1/4 wave antenna with strain relief base. High durability. Approximately 6" long.

4. **DEXS** (specify TX) 118-127, 127-136 HT, KR, MX
 136-144, 144-148 BN, BNX, SF
 148-155, 150-162 SFJ, SFU, SM
 155-164, 164-174 TN, TNX
 220-225

Injection molded shortened 1/4 wave, highly durable, helically wound with strain relief base. Approximately 3½" long.

5. **DEXR** (specify TX.) 136-220, 144-148 BN, KR,
 148-155, 150-162 MX, TN
 155-164, 164-174
 220-225

1/4 wave helically wound coaxial antenna with an adjustable (0-90°) connector. Approximately 7½" long.

6. **DEXH** (specify TX.) 145-155, 150-160 SFU, SF,
 155-165 MX, SFK

1/4 wave injected molded base load high efficiency. Approximately 8½" long.

Description
No. Model **Frequency** **Connector**
VHF 118-225 MHz (Continued)

7. **DEXW** 136-162, BNX, MX,
 148-174 TNX
 220-225, 225-240

Broadband portable antenna. Two models cover the entire VHF band. Approximately 8¾" long.

8. **DTS** 118-174 HT, KR, MR
 Continuous MX, BN, TN
 (Order 150)

Full length telescopic 1/4 wave antenna with a flexible spring base. Approximately 21" long and collapses down to approximately 7½".

9. **DV** (specify TX) 118-127, 127-136 HT, KR, MX
 136-144, 144-148 BN, TN
 148-155, 150-162
 164-174, 220-225

PVC encapsulated shrink full length 1/4 wave with tapered cable design. Approximately 17" long.

UHF 300-512 MHz and Dual Band

10. **DEXC** 308-322, 312-318 HT, KR, MD, MX
 400-420, 420-450 BN, BNX, MR,
 450-470, 470-512 SF, SFJ, SFU,
 TN, TX

This antenna is an injection molded flexible cable design. The antenna is 1/4 wavelength and is highly durable due to its strain relief base. Approximately 6" long.

11. **DEXD** 308-322, 312-318 HT, KR, MD, MX,
 400-420, 420-450 BN, BNX, MR,
 450-470, 470-512 SF, SFJ, SFU,
 SM, TN, TNX

This antenna is an injection molded, shortened, helically wound design. The antenna is 1/4 wavelength and has a highly durable strain relief base. Approximately 3" long.

12. **DEXR** 308-322, 312-318 KR, MX
 400-420, 420-450 BN, TN
 450-470, 470-512

This coaxial antenna is an injection molded 1/2 wavelength design. This antenna includes an adjustable (0-90°) locking connector. The overall length is approximately 6 ½".



Description
No. Model **Frequency** **Connector**
UHF 300-512 MHz and Dual Band (Continued)

13.DEXW **400-512** **BNX, TNX**

This antenna is a highly efficient, injection molded, broadband design. There is only one model for entire UHF Band! The overall length is 4¼”.

14.DG **400-420, 420-450** **BN, TN**
450-470, 470-512

This highly durable PVC dipped, full length match ½ wave antenna has a 2.5dB gain. The overall length is approximately 9”.

TRUNKING AND SMR APPLICATIONS

15.DEXC **806-866** **HT, KR, MD,**
821-902 **MX, BN, BNX,**
902-960 **MR, SF, SFJ,**
SFU, SM, TN, TNX

This antenna is injection molded with a 1/4 wavelength flexible cable design antenna. This antenna is highly durable due to its strain relief base. The overall length is approximately 4”.

16.DEXE **806-866** **BN, BNX, MD,**
821-902 **SF, SFU, SM**
902-960 **TN, TNX**
2400-2500

This injection molded 2.5 dB 1/2 wavelength dipole antenna is highly durable due to its strain relief base. The overall length of this antenna is 8”.

17.DEXP **806-866** **SF, SFJ, SFU,**
902-960 **SMS, SFJ, SFU**

This injection molded antenna is an end fed 1/2 wavelength 2.5 dB gain model. It is available up to 941 MHz. The overall length of this antenna is 6½”.

18.DEXR **806-866** **BN, TN**
821-902
902-960
1850-1970 **BN, TN**
DWXR **2400-2500** **TN**

The antenna is a 1/2 wavelength 2.5 dB right angle. The overall length of this antenna is 8”.

19.DEXS **806-866** **TN, MD, SF,**
902-960 **SFJ, SFU, SM,**
SMS

This injection molded helically wound 1/4 wavelength antenna is available up to 960 MHz. The overall length of this antenna is 2¼”.

Threaded Connector Guide

Threaded Connectors

- MX:** 1/4-32 x 7/32. For Motorola® MX, P100, P110, P200, GP300, MT1000, HT10, HT50, HT600, Radius®, Saber®, Spirit®, Expo®, Kenwood® TK230, TK250, TK340, TK350; Maxon® SP120, SP2550, SL70; Midland®; Wilson® MH200.
- MD:** (Molded antennas only) M7 x 1.0. For GE®, MPA, MPD, MTL, TPX.
- KR:** 5/16-32x 3/8. For King Radio®, Ritron® Jobcom™.
- HT:** 5/16-32 x 1/2 For Motorola® HT200, HT210, MH, MT, MT500, MX600; older Ritron®; older Uniden®. Insulated base very common thread.



Ordering Guide - Clear, Easy & Sensible!

DV144TN = DV Style Antenna, 144-148 MHz, with a TNC Male Connector

DV **Antenna Style** **DDR, DESC, DEXB, DEXC, DEXD, DEXE, DEXES, DEXG, DEXP, DEXR, DEXS, DEXW, DG, DTE, DTS, DV**

144 **Frequency** **Frequency component of part number in bold below:**
118-127 **127-136** **136-144** **144-148**
148-155 **150-166** **164-174** **220-225**
308-322 **312-318** **400-420** **420-450**
450-470 **470-512** **806-866** **821-902**
902-960 **2400-2500**

TN **Connector Style** **HT, KR, MD, MX, = Threaded connectors**
BN, BNX, MR, PL, SF, SFJ, SFU,
SM, SMS, TN, TNX = Coax connectors.

Coaxial Connector Guide

- BN:** BNC Male. For all equipment requiring BNC, including GE® MPI, PLS, PCS; Kenwood® TK-100, TK-210, TK-300; Motorola® HT440, HT90; old Maxon®; E.F. Johnson® 577, 578.
- BNX:** Covered BNC Male. Same as above. (molded antennas only). For Bearcat® Trunktracker™, and the Maxon® CP series.
- MR:** 12-28 Female. For GE,MPR,MPX, MPS.
- SF:** (Molded antennas only). Special SMA Connector Female. For Motorola® 800 MHz, MX360, STX, MTX800, HT1000, MT1000, MT2000, MTX8000, MTX9000, VISAR; Kenwood TK430, SEA700
- SFJ:** (Molded antennas only). For E.F. Johnson® 8790; Kenwood® TK480, TK481. (No skirt).
- SFU:** (Molded antennas only). King Radio® 800 MHz, Uniden® 800 MHz, newer VHF/UHF, SPU416K, SPU48K.
- SM** (Molded antennas only). SMA Connector Male. For GE® Marc V™ 800 MHz, STS®, Technophone®, Standard® HX585.
- TN:** TNC Male. For all equipment requiring TNC, Speaker/mic. Icom® ICU18, Standard® HX-340.
- TNX:** Covered TNC Male (Molded antennas only).



Permanent Hole Mounts

Our brass mounts are the finest in the industry. Designed properly for the application, the mount utilizes a brass alloy with a Rockwell® 78 hardness. Another feature not found in competitive mounts is a fully silver soldered ground lug. It's the best way to eliminate the noise and static brought on by the rust and corrosion that is inevitable with ordinary crimped steel mounts. If you don't see your combination here, just call us. We will quickly quote your custom cable and connector requirement. As always, pricing is the same for brass (MB) series or standard steel (M) series hole mounts in the same cable and connector configuration.



Model Connector Type

3/4" or 3/8" HOLE ALTERNATIVE MOUNTS

MBO	For use with RG58 size Cable
MBOX	For RG8X size Cable
MBOF	For Teflon® Cable
MABO	Standard Mount
MABTO	Thick Plate Mount for 3/16" to 1/4" Thick Mount Surfaces
MABVTO	3/8" Hole 1/2" Thick Plane Mount Only
MXGPO	3/8" snap-in Ground Plane Mount
MXO	Snap-in Mount
MWO	Drop-in Mount can be installed from outside the vehicle

5/8" HOLE ALTERNATIVE MOUNTS

VTPM	1" Thick Plate Mount (UHF Barrel)
VTPM800	3/8" Thick Plate Mount (N Barrel)



A full line of permanent mounts and accessories, including custom cable lengths are available. Please call or visit our web site at <http://www.antenex.com> for more information. Look on page 39 for specifications on the different cables.

Ordering Guide - Clear, Easy & Sensible!

MB8PSI14 = 3/4" Brass Mount, PL259 Solder Installed, 14' of RG58A/U

MB	Mount Style & Hole Style	M = 3/4" Steel Hole Mounts MAB = 3/8" Brass Hole Mounts MABT = 3/8" Brass Mounts for Thick Plate MABVT8 = 1/2" Brass Hole Mounts MB = 3/4" Brass Hole Mounts MW = 3/8" Drop-in Hole Mount MX = 3/8" Brass Snap-in Hole Mount
8	Cable Style	8 = RG58A/U 8X = RG8X "low loss" F = Teflon® Coax Cable 195 = LMR195 8U = RG58U D = Teflex™ O = Only (Mount Only-No Cable)
PS	Connector Style	Blank = No connector PS = PL259 solder NS = N solder P = PL259 crimp M = Mini UHF crimp B = BNC crimp N = N crimp PST = PL259 solder Teflon® T = TNC crimp SM = SMA Crimp
I	Installation Option	Blank = Loose connector I = Installed connector (Add \$1.00 for crimp, \$1.50 for solder.)
14	Cable Option	Blank = Standard 17 ft. cable length. 14 = Optional 14 ft. cable length.

Model Connector Type

3/4 HOLE BRASS MOUNTS

Models with 17' of RG58A/U Stranded Center Conductor Cable

MB8	No Connector
MB8B	BNC Crimp
MB8M	Mini UHF Crimp
MB8N	N Crimp
MB8NS	N Solder
MB8P	UHF (PL259) Crimp
MB8PS	UHF (PL259) Solder
MB8PST	UHF (PL259) Teflon® Solder
MB8T	TNC Crimp

Models with 17' of RG58U Solid Center Conductor Cable

MB8U	No Connector
MB8UB	BNC Crimp
MB8UM	Mini UHF Crimp
MB8UN	N Crimp
MB8UNS	N Solder
MB8UP	UHF (PL259) Crimp
MB8UPST	UHF (PL259) Teflon® Solder
MB8UT	TNC Crimp

Models with 17' of RG8X Low Loss Solid Center Conductor Cable

MB8X	No Connector
MB8XB	BNC Crimp
MB8XM	Mini UHF Crimp
MB8XN	N Crimp
MB8XNS	N Solder
MB8XP	UHF (PL259) Crimp
MB8XPST	UHF (PL259) Teflon® Solder
MB8XT	TNC Crimp

Models with 17' of Teflex™ Coax

MBD	No Connector
MBDB	BNC Crimp
MBDM	Mini UHF Crimp
MBDN	N Crimp
MBDNS	N Solder
MBDP	UHF (PL259) Crimp
MBDPST	UHF (PL259) Teflon® Solder
MBDT	TNC Crimp

Models with 17' of Teflon® Cable

MBF	No Connector
MBFB	BNC Crimp
MBFM	Mini UHF Crimp
MBFN	N Crimp
MBFNS	N Solder
MBFP	UHF (PL259) Crimp
MBFPST	UHF (PL259) Teflon® Solder
MBFT	TNC Crimp

Model Connector Type

3/8 HOLE BRASS MOUNTS

Models with 17' of RG58A/U Stranded Center Conductor Cable

MAB8	No Connector
MAB8B	BNC Crimp
MAB8M	Mini UHF Crimp
MAB8N	N Crimp
MAB8NS	N Solder
MAB8P	UHF (PL259) Crimp
MAB8PS	UHF (PL259) Solder
MAB8PST	UHF (PL259) Teflon® Solder
MAB8T	TNC Crimp
MABVT8	No Connector

Models with 17' of RG58U Solid Center Conductor Cable

MAB8U	No Connector
MAB8UB	BNC Crimp
MAB8UM	Mini UHF Crimp
MAB8UN	N Crimp
MAB8UNS	N Solder
MAB8UP	UHF (PL259) Crimp
MAB8UPST	UHF (PL259) Teflon® Solder
MAB8UT	TNC Crimp

Models with 17' of RG8X Low Loss Solid Center Conductor Cable

MAB8X	No Connector
MAB8XB	BNC Crimp
MAB8XM	Mini UHF Crimp
MAB8XN	N Crimp
MAB8XNS	N Solder
MAB8XP	UHF (PL259) Crimp
MAB8XPST	UHF (PL259) Teflon® Solder
MAB8XT	TNC Crimp

Models with 17' of Teflex™ Coax

MABD	No Connector
MABDB	BNC Crimp
MABDM	Mini UHF Crimp
MABDN	N Crimp
MABDNS	N Solder
MABDP	UHF (PL259) Crimp
MABDPST	UHF (PL259) Teflon® Solder
MABDT	TNC Crimp

MOBILE-TO-BASE CONVERTERS

MBC	Mobile-to-base converter for VHF and UHF, SO239 Terminated
MBCN	Mobile to Base Converter for VHF and UHF, N Terminated
MBC800	Mobile-to-base converter for 800 and 900 MHz, N Terminated
MBC800LBT	Mobile-to-base converter for 800 and up, wall mount, N Terminated



MBC800
With Optional B8063

REMEMBER... ANTENEX® produces the finest all-brass mounts in the industry featuring iridized brass with a Rockwell® brass hardness of 78 and a fully silver soldered ground lug. It's the best way to eliminate the noise and static brought on by the rust and corrosion that is inevitable with ordinary mounts. The mount will **never** rust!



Brass MB Series
Silver Soldered Lug

All **ANTENEX®** mounts are 100% continuity and resistance tested. Each mount is constructed with the standard **ANTENEX®** small high performance center contact.

Thick Mount Cable Kits - MABT

ANTENEX® has the mount for you. This 3/4 or 3/8 brass mount installs in a plate up to 1/4 inch thick which makes any tough install easier. The MABT is available with many different cable and connector options.



Traditional Steel
M Series Lug



MABTO

Model Connector Type

3/4-3/8 Thick Mount

Models with 17' of RG58A/U Stranded Center Conductor Cable

MABT8	No Connector
MABT8B	BNC Crimp
MABT8M	Mini UHF Crimp
MABT8N	N Crimp
MABT8NS	N Solder
MABT8P	UHF (PL259) Crimp
MABT8PS	UHF (PL259) Solder
MABT8PST	UHF (PL259) Teflon® Solder
MABT8T	TNC Crimp

Models with 17' of RG58U Solid Center Conductor Cable

MABT8U	No Connector
MABT8UB	BNC Crimp
MABT8UM	Mini UHF Crimp
MABT8UN	N Crimp
MABT8UNS	N Solder
MABT8UP	UHF (PL259) Crimp
MABT8UPST	UHF (PL259) Teflon® Solder
MABT8UT	TNC Crimp



MBC800LBT

The MBC800LBT is specifically designed for Data, SCADA and PCS applications. It is perfect for wall mounting the **Phantom®** Antenna.

Magnetic Mounts - Strong and Reliable

Ordering Guide - Clear, Easy & Sensible!

GBR8PI = Black, Magnetic Mount, w/Rubber Boot, 12' of RG58A/U, PL259 Crimp Installed

G	Mount Style & Hole Size	G = Magnetic Mount Style	
B	Finish	Blank = Chrome	
		B = Black	
R	Rubber Boot	Blank = No Rubber Boot	
		R = Rubber Boot	
8	Cable Style	8 = RG58A/U	8U = RG58U
		8X = RG8X "low loss"	D = Teflex™
		F = Antenex Teflon® Coax Cable	
		195 = LMR195™	
P	Connector Style	Blank = No connector	B = BNC crimp
		PS = PL259 solder	N = N crimp
		NS = N solder	PST = PL259 solder Teflon®
		P = PL259 crimp	T = TNC crimp
		M = Mini UHF crimp	SM = SMA crimp
I	Installation Option	Blank = Loose connector	
		I = Installed connector	
		(Add \$1.00 for crimp, \$1.50 for solder.)	

BLANK Cable Length **Blank** = 12 ft. is standard on magnetic mounts.
*** = User defined length.

Model Description

3/4" STYLE MAGNETIC MOUNTS

Chrome Models with 12' of RG58A/U Stranded Center Cable

G8	No Connector
G8B	BNC Crimp
G8M	Mini UHF crimp
G8N	N Crimp
G8NS	N Solder
G8P	UHF (PL259) Crimp
G8PI	UHF (PL259) Crimp, Installed
GR8PI	UHF (PL259) Crimp, Installed
G8PS	UHF (PL259) Solder
G8PST	UHF (PL259) Teflon® Solder
G8T	TNC Crimp

Chrome Models with 12' of RG58U Solid Center Conductor Cable

G8U	No Connector
G8UB	BNC Crimp
G8UM	Mini UHF Crimp
G8UN	N Crimp
G8UNS	N Solder
G8UP	UHF (PL259) Crimp
G8UPST	UHF (PL259) Teflon® Solder
G8UT	TNC Crimp

Chrome Models with 12' of Antenex RG8X Low Loss Cable

G8X	No Connector
G8XB	BNC Crimp
G8XM	Mini UHF Crimp
G8XN	N Crimp
G8XNS	N Solder
G8XP	UHF (PL259) Solder
G8XPST	UHF (PL259) Teflon® Solder
G8XT	TNC Crimp

Chrome Models with 12' of Teflex™ Cable

GD	No Connector
GDB	BNC Crimp
GDM	Mini UHF Crimp
GDN	N Crimp
GDNS	N Solder
GDPI	UHF (PL259) Crimp, Installed
GDPST	UHF (PL259) Teflon® Solder
GDT	TNC Crimp

GRO Rubber Boot add:

For Black on all models add:

Call for pricing on custom cable and connector options.

Our magnetic mounts are the ideal way to temporarily install antennas on a vehicle. Corrosion resistant materials, a complete weather seal, and a strong magnet ensure that your mount will continue to perform for years. This product may be opened in the field for servicing or cable replacement. All magnetic mounts ship standard with a protective mylar sole. We provide, as an option or for replacement, a protective rubber boot (model GRO) which gives maximum protection to the mounting surface.



GRO Boot Option

Model Description

3/4" STYLE MAGNETIC MOUNTS

Black Model with 12' of RG58A/U Stranded Center Cable

GB8	No Connector
GBR8PI	UHF (PL259) Crimp, Installed



GB8 with optional BB1443



GD with optional B1443



G8



GB8

Technical Data - Product Features & Information

- 3/4" magnetic mounts are made with brass, ceramic, & steel materials.
- Cable connection is triple reinforced to eliminate cable pull out.
- Magnet is rated at 90 lbs. pull strength.
- Very adequate for high speed pursuit vehicles.
- 100% continuity and resistance tested.
- Small high performance contact is standard.
- Large contact is available upon request.
- Protective rubber boot is available. Expect some reduction in magnetic force.
- Cable is field replaceable.

Miniature Magnetic Mounts



Ordering Guide - Clear, Easy & Sensible!

GMBR8PI = Black, Mini-Magnetic Mount, with Rubber Boot, 12' of RG58A/U, PL259 Crimp Installed

GM	Mount Style	GM = Mini-Magnetic Mount	
B	Finish	Blank = Chrome	B = Black
R	Rubber Boot	Blank = No Rubber Boot	
8	Cable Style	8 = RG58A/U D = Teflex™	8U = RG58U 195 = LMR195™
P	Connector Style	Blank = No connector N = N crimp NS = N solder T = TNC crimp M = Mini UHF crimp <i>(*for RG58, RG58A/U, Teflex™, & Teflon® only)</i>	B = BNC crimp PS = PL259 solder P = PL259 crimp PST = PL259 solder Teflon® SM = SMA crimp*
I	Installation Option	Blank = Loose connector I = Installed connector <i>(Add \$1.00 for crimp, \$1.50 for solder)</i>	
BLANK	Cable Length	Blank = 12' is standard on magnetic mounts. ***= User specified length	

Our mini-magnetic mounts are made of brass, ceramic and steel materials. Mini-mag mounts are rated at 55 lbs. of pull-strength. The cable connection is also triple reinforced to eliminate cable pull out giving you the reliability you expect from **ANTENEX®**.

Model Description

3/4" STYLE MINI-MAGNETIC MOUNTS

Chrome Models with 12' of RG58A/U Stranded Center Cable

GM8	No Connector
GM8B	BNC Crimp
GM8M	Mini UHF crimp
GM8N	N Crimp
GM8NS	N Solder
GM8P	UHF (PL259) Crimp
GM8PI	UHF (PL259) Crimp, Installed
GM8PS	UHF (PL259) Solder
GM8PST	UHF (PL259) Teflon® Solder
GM8T	TNC Crimp

Chrome Models with 12' of RG58U Solid Center Conductor Cable

GM8U	No Connector
GM8UB	BNC Crimp
GM8UM	Mini UHF Crimp
GM8UN	N Crimp
GM8UNS	N Solder
GM8UP	UHF (PL259) Crimp
GM8UPST	UHF (PL259) Teflon® Solder
GM8UT	TNC Crimp

Chrome Models with 12' of Teflex™ Coax

GMD	No Connector
GMDB	BNC Crimp
GMDM	Mini UHF Crimp
GMDN	N Crimp
GMDNS	N Solder
GMDPI	UHF (PL259) Crimp, Installed
GMDPST	UHF (PL259) Teflon® Solder
GMDT	TNC Crimp

Black Models with 12' of RG58A/U Stranded Center Cable

GMB8	No Connector
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GMRO Rubber Boot add:
For Black on all models add:



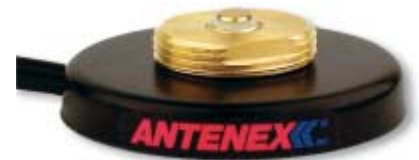
GMRO Boot Option



GMB8 w/ Optional AB800



GM8 w/ Optional TRA8063



GMB8



GM8

Technical Data - Product Features & Information

- 3/4" magnetic mounts are made with brass, ceramic, & steel materials.
- Cable connection is triple reinforced to eliminate cable pull out.
- GM mag is rated at 55 lbs.,
- Very adequate for high speed pursuit vehicles.
- 100% continuity and resistance tested
- Small high performance contact is standard.
- Large contact is available upon request.
- Protective rubber boot is available. Expect some reduction in magnetic force.
- Cable is field replaceable.

Mini-Trunk Lid Mounts - Quick and Easy Install!

The Mini-trunk lid mount really is incredible! A non-staining neoprene rubber cushion under the mount ensures that it will not stick to or stain a car finish. This cushion also isolates the mount against vibration, providing a firm and lasting fit to the trunk lid.

Made of type 302 stainless steel, the bracket features a design that enables it to be mounted to most new high tolerance trunk lid seams.

Our incredible mount features a very low profile design that enhances the appearance of the antenna when it is mounted on a luxury vehicle or limousine. The Mini-Trunk Lid Mount can also be easily removed for vehicle resale or fleet replacement.

Stainless steel hardware is also used on every trunk mount. You will not have any rust or corrosion to mar your vehicle's appearance. **ANTENEX**® mini-trunk mounts are made entirely of nonferrous materials.

THIS MOUNT WILL NEVER RUST! There are no holes to drill for the installation of Antenex Mini Trunk lid mounts.



TMB8 w/ optional QWB800



Mini-Trunk Lid Mount
(Shown In Chrome with Optional Phantom)
TM8 w/ optional TRA8063

Ordering Guide - Clear, Easy & Sensible!

TMB8PS14 = Mini-Trunk Lid Mount, Black Finish, PL259 Solder, Installed, 14' of RG58A/U.

TM	Mount Style	TM = Mini-Trunk Lid Mount with cable
B	Finish	Blank = Chrome Finish B = Black Finish
8	Cable Style	8 = RG58A/U 8U = RG58U 195 = LMR195™ D = Teflex™ F = Teflon® Coax Cable
PS	Connector	Blank = No connector B = BNC crimp PS = PL259 solder N = N crimp NS = N solder PST = PL259 solder Teflon® P = PL259 crimp T = TNC crimp M = Mini UHF crimp SM = SMA crimp
I	Installation Option	Blank = Loose connector I = Installed connector (Add \$1.00 for crimp, \$1.50 for solder.)
14	Cable Length	14 = Option 14 ft. cable length - 17 ft. is standard length.

When ordering please indicate nonstandard lengths only.



TMB8



TM8

Model Connector Type

MINI-TRUNK LID MOUNTS

Models with 17' RG58A/U Stranded Center Conductor Cable

TM8	No Connector
TMB8	No Connector
TM8B	BNC Crimp
TM8M	Mini UHF Crimp
TM8N	N Crimp
TM8NS	N Solder
TM8P	UHF (PL259) Crimp
TM8PS	UHF (PL259) Solder
TM8PST	UHF (PL259) Teflon® Solder
TM8T	TNC Connector

Models with 17' of RG58U Solid Center Conductor Cable

TM8U	No Connector
TM8UB	BNC Crimp
TM8UM	Mini UHF Crimp
TM8UN	N Crimp
TM8UNS	N Solder
TM8UP	UHF (PL259) Crimp
TM8UPST	UHF (PL259) Teflon® Solder
TM8UT	TNC Crimp

For Black on all models add:

Available in 14 ft. length; simply add "14" to the end of part number.
Call for pricing on custom cable and connector options.

Technical Data - Product Features & Information

- Brass body with a stainless steel bracket and stainless steel hardware.
- All non-ferrous materials. The mount will never rust!
- No plastic, chalk, crack or decay.
- New design assures fit on most modern high tolerance vehicles.
- Fast, easy installation.
- Requires no hole in the vehicle.
- Very low profile for low visibility.
- Available in brite chrome or black chrome finish.
- Fits all **ANTENEX**® 3/4" mount type antennas.

Freedom™ Mount Kits & Brackets



ANTENEX® uses conductive black chrome on its stainless steel trunk groove mounting brackets. Other manufacturers use lower quality non-conductive black paint. You will find that a more reliable ground can be achieved with **ANTENEX®** mounting brackets. The SBT1000 bracket was specifically designed for 1" hole applications such as the **Phantom®** permanent mount.

Our aluminum mirror mount brackets are extruded and not stamped. This results in a stronger more durable bracket without the risk of bend fatigue and cracking that may occur with the stamped aluminum products. **ANTENEX®** aluminum mirror mounts are bright dipped or black anodized for corrosion protection.

Model Description

MIRROR MOUNT MODELS

- LBM9034 "L" Bracket for Mirror Mount at 90°, 3/4" Hole
- LBM9038 "L" Bracket for Mirror Mount at 90°, 3/8" Hole
- LBM4534 Rt Angle "L" for Mirror Mount at 45°, 3/4" Hole
- LBM4538 Rt Angle "L" for Mirror Mount at 45°, 3/8" Hole

BLACK MIRROR MOUNT MODELS

- LBMB9034 Black "L" Bracket for Mirror Mount, 3/4" Hole
- LBMB9038 Black "L" Bracket for Mirror Mount, 3/8" Hole
- LBMB4534 Black Rt Angle "L" for Mirror at 45°, 3/4" Hole
- LBMB4538 Black Rt Angle "L" for Mirror at 45°, 3/8" Hole

MIRROR MOUNT BRACKET WITH 3/4" MOUNT

- LBBM8PS 17ft RG58 Cble with sol PL259 on conn
- LBBM8 17ft RG58 Cable with no connector

BLACK MIRROR MOUNT BRACKET WITH 3/4" MOUNT

- LBBM8PS 17 ft. RG58 Cble with sol PL259 conn
- LBBM8 17ft RG58 Cable no connector



Model Description

STAINLESS TRUNK GROOVE MODELS

- LBT3400 "L" Bracket for Trunk Groove, 3/4" Hole
- LBT3800 "L" Bracket for Trunk Groove, 3/8" Hole

BLACK STAINLESS TRUNK GROOVE MODELS

- LBTB3400 Black "L" Bracket for Trunk Groove, 3/4" Hole
- LBTB3800 Black "L" Bracket for Trunk Groove, 3/8" Hole

STAINLESS STRAIGHT TRUNK GROOVE MODELS

- SBT1000 Straight Bracket - 1" Hole
- SBT3400 Straight Bracket - 3/4" Hole
- SBTB3400 Black Straight Bracket - 3/4" Hole



Model Description Mast

Base Antenna Mounting Options

Model	Description	Mast
FM1	Stainless Steel U Bolt Mount (2)	1 7/8"
FM2	Heavy Duty Base Mounting Bracket (2)	2 1/2"
FM3	Heavy Duty Large Base Antenna Mount (2)	3"
FM3W	Heavy Duty Large Base Antenna Mount with Center Weld (2)	3"
FMS9	Freedom Standoff Mount 9" Standoff (2)	2 1/2"
FMW0	Freedom Wall Mount 0" Clearance	2 1/2"
FMW4	Freedom Wall Mount 4" Clearance	2 1/2"
YM78	Yagi Mount Kit for 7/8" Boom	1 5/8"
YM78HD	HD Yagi Mounting Kit for 7/8" Boom	2 1/2"
YM100HD	HD Yagi Mounting Kit for 1" Boom	2 1/2"
YM125HD	HD Yagi Mounting Kit 7/8" to 4 1/2"	2 1/2"

ACCESSORIES

IASFST	36 ft. Roll of MOCAP Installation Tape	32.00
IASFST10	Six pack of 10" strips of MOCAP Installation Tape	6.10



FMW4

FMW0

FM2



FM3 - Heavy Duty Mounting Bracket



Mounting Kits
YM78HD, YM100HD, YM125HD



FM3W- Welded Heavy Duty Mounting Bracket



MOCAP Tape IASFST

IASFST10



FMS9

Coaxial Cable and Cable Assemblies

ANTENEX® stocks a complete selection of connectors and coaxial cables. We are able to select from a number of connector manufacturers to provide you with the highest quality at an affordable price. We use these connectors and cables in our own products and continuously monitor the quality of these components. Our 100% test policy for antennas, Precision Cable Assemblies™ and jumpers assures your satisfaction. Call **ANTENEX®** for all of your custom coaxial cable requirements for quick and accurate delivery.

Model Description

BULK CABLE

R8100	100' Spool RG58A/U
R8500	500' Spool RG58A/U
R81000	1000' Spool RG58A/U
R8U100	100' Spool RG58U
R8U500	500' Spool RG58U
R8U1000	1000' Spool RG58U
R195100	100' Spool LMR195
R195500	500' Spool LMR195
R8X500	500' Spool Antenex® RG8X
RD100	100' Spool Teflex™ Teflon® Dual Shield
RD500	500' Spool Teflex™ Teflon® Dual Shield
RF100	100' Spool Antenex® Teflon®
RF500	500' Spool Antenex® Teflon®
RF1000	1000' Spool Antenex® Teflon®
R9913100	100' Spool R9913
R9913500	500' Spool R9913
R400100	100' Spool High Performance LMR400
R400500	500' Spool High Performance LMR400

PRECISION CABLE ASSEMBLIES™

PT40025NN	Pigtail 25 ft. LMR400 N to N
PT40050NN	Pigtail 50 ft. LMR400 N to N
PT40075NN	Pigtail 75 ft. LMR400 N to N

Special lengths available upon request. Call for details!



Times® LMR™ 400



Only a small sampling of our capabilities are shown here.



IA3MTP22



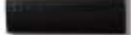
Crimp Tool CCT



Crimp Tool CCT213



SEALTUBE1



SEALTUBE2



SEALTUBE3



SEALTUBE4



MOCAP Tape IASFST



IASFST10

Ordering Guide - Clear, Easy & Sensible!

PT8X25NN = Precision Cable Assembly™, RG8X Cable, 25 ft.. Length, N Crimp on Both Ends

PT	Cable Product	PT = Pigtail Cable Assembly	
8X	Cable Style	8 = RG58A/U 8U = RG58U 8X = RG8X "low loss" D = Teflex™	F = Antenex Teflon® Coax Cable 400 = LMR400 9913 = R9913 195 = LMR195
25	Cable Length	Length in feet	
N	Connector Style on One End	If blank = no connector B = BNC crimp M = Mini UHF crimp N = N crimp NS = N Solder P = PL259 crimp SM = SMA Male	PF = Female PL259 crimp PS = PL259 solder PST = PL259 solder Teflon® PT = PL259 crimp silver Teflon® T = TNC crimp
N	Connector Style on Other End	Same as Above	



Teflon® Teflex™ 58/U 58A/U 8X 9913

ANTENEX® Precision Cable Assemblies™ will save you both time and money. Let us do the work. We are highly equipped to put together any combination you may require in a very fast turn around time.

PT400100NN	Pigtail 100 ft. LMR400 N to N
PT40050NPS	Pigtail, LMR400 coax 50 ft. long with N male connector & PL259 male connector installed.
PT400100NPT	Pigtail, LMR400 coax 100 ft. long with N male & Teflon® PL259 crimp-on connectors installed.
PT8X25NN	Pigtail, 8X Low Loss 25 ft. long with N male crimp-on connectors installed on both ends.
PT8X50NP	Pigtail, 8X Low Loss 50 ft. long with N male & PL259 crimp-on connectors installed.
PTD5NN	Pigtail, Teflex™ cable 5 ft. long with N male crimp-on connectors installed on both ends.
PTD20PP	Pigtail, Teflex™ cable 20 ft. long with crimp-on PL259 connectors installed on both ends.
PT850NP	Pigtail, RG58 coax 50 ft. long with N male & PL259 crimp-on connectors installed.
PT825PPF	Pigtail, RG58 coax 25 ft. long with male PL259 & female PL259 connector installed.

CRIMP TOOLS, HEAT SHRINK TUBING AND CONNECTOR SEALANT

SHRINKTUBE1	Heat Shrink Tube 1" x 1" dia.	
SHRINKTUBE2	Heat Shrink Tube 2"x1" dia.	
SEALTUBE3	Self Sealing Heat Shrink Tube 3"x1" dia.	
SEALTUBE4	Self Sealing Heat Shrink Tube 4"x1" dia.	
IA3MTP22	Tar Seal	
CCT	Heavy Duty Crimp Tool	
CCT213	Heavy Duty Crimp Tool	
IASFST	36 ft. Roll of MOCAP Installation Tape	32.00
IASFST10	Six pack of 10" strips of MOCAP Installation Tape	6.10

Connectors



ANTENEX® carries a complete line of connectors. Other connectors may be available, please call for items not listed. There is a 50 piece minimum on special order or non-stocked items.



CMUHF58, CBMUHF58, CBNC58, CTNC58, CPL9C, CN58



CMUHF58, CBNCF58, CTNC58F, CPL9CF, CNF58



CNF400 CNF400S CN400 CN440S

Other connectors may be available.

Call or visit <http://www.antenex.com> for items not listed.

There is a 50 piece minimum on special order non-stock items.

Connectors for RG58 also fit **ANTENEX**® Teflex™ and Teflon® coax.

Connectors for LMR® 400 will fit 9913 coax.

Model Type Attach Coax Finish

CONNECTORS

CBNC58	BNC Male	Crimp-on	RG58	N
CMUHF58	Mini UHF Male	Crimp-on	RG58	N
CMUHF58	Mini UHF FML	Crimp-on	RG58	N
CN58	Type N Male	Crimp-on	RG58	N
CN58S	Type N Male	Solder-on	RG58	N
CNF58	Type N Female	Crimp-on	RG58	N
CPL9C	PL259 Male	Crimp-on	RG58	N
CPL9CE	PL259 M (ext.nut)	Crimp-on	RG58	N
CPL9CT	PL259 Male	Crimp-on	RG58	S
CPL9CF	PL259 Female	Crimp-on	RG58	N
CPL9S	PL259 Male	Solder-on	RG58	N
CPL9TS	PL259 Male	Solder-on	RG58	S
CSN58	Type N Male	Crimp-on	RG58	S
CTNC58	TNC Male	Crimp-on	RG58	N
CSMA58	SMA Male	Crimp-on	RG58	N
CBNC8X	BNC Male	Crimp-on	RG8X	N
CMUHF8X	Mini UHF Male	Crimp-on	RG8X	N
CN8X	Type N Male	Crimp-on	RG8X	N
CPL9C8X	PL259 Male	Crimp-on	RG8X	N
CTNC8X	TNC Male	Crimp-on	RG8X	N
CN213	Type N Male	Crimp-on	213/8U	N
CN213S	Type N Male	Solder-on	213/8U	N
CBNC316	BNC Male	Crimp-on	RG316/U	N
CTNCF316	TNC Female	Crimp Jack	RG316/U	N
CBNC400	BNC Male	Crimp-on	LMR400	N
CN400	Type N Male	Crimp-on	LMR400	N
CN400S	Type N Male	Solder-on	LMR400	N
CNF400	Type N Female	Crimp-on	LMR400	N
CNF400S	Type N Female	Solder-on	LMR400	N
CPL9C400	PL259 Male	Crimp-on	LMR400	S
CTNC400	TNC Male	Crimp-on	LMR400	N
CSMA316	SMA Male	Crimp-on	RG316	N

* N = Nickel Finish - S = Silver Finish

Model Description

ADAPTERS

CNFnF	Type N Female to Type N Female Barrel
CNF3	3 Way Type N Female "T" (S)
CNUHFF	Type N Male to UHF Female
CPL9CF	UHF Female to UHF Female Barrel
CPL9CF3	3 Way UHF Female "T"
CUG175	UG175U Adapter for PL259
CUG176	UG176U Adapter for PL259

COAXIAL CABLE SPECIFICATIONS

Type	Center Conductor	Outer Jacket	Dielectric Material	Nominal O.D.	Impedance (ohms)	Nominal Capacitance (pF/ft)	Nominal Velocity of Propagation	Nominal Shield Cover	Attenuation (dB/100 ft)		
									150MHz	450MHz	900MHz
RG58A/U	Stranded	Black	Solid PVC	0.193" Polyethylene	50.0	30.8	66%	95%	6.20	12.50	20.00
RG58/U	Solid	Black	Solid PVC	0.193" Polyethylene	53.5	28.5	66%	95%	5.40	10.20	16.10
LMR™ 195	Solid BC	Black	Foam Polyethylene	0.195" Polyethylene	50.0	24.3	85%	100% Braid 100% Foil	4.40	7.80	11.10
RG59/U	Solid	Black	Gas Injected PVC	0.242" Foam	75.0	16.5	82%	67% Braid 100% Foil	3.80	7.00	10.10
Teflex™	Solid	White	Solid Teflon® PVC	0.195" FEP	50.0	30.0	69%	95% Braid 100% Foil	5.80	10.00	14.50
Teflon®	Stranded	White	Solid Teflon®	0.160" Teflon®	50.0	28.5	69%	95%	4.80	9.00	13.50
RG8X	Solid	Black	Solid PVC	0.242" Polyethylene	50.0	33.0	66%	95%	3.60	6.80	10.70
RG174	Solid	Black	Solid Polyethylene	0.108" Polyethylene	50.0	30.8	66%	88% Braid	8.60	15.20	22.00
RG213/U	Stranded	Black	Solid PVC	0.405" Polyethylene	50.0	32.2	66%	95%	2.30	4.50	7.60
RG316/U (Non-Plenum)	Stranded	Tan	TFE	0.092"	50.0	29.0	69.5%	95%	10.30	18.70	27.30
RG316/U (Plenum)		White	Solid Teflon®	0.102"	50.0	29.0	70.0%	95%	12.00	22.00	36.00
R9913	Solid	Black	Semi Solid PVC	0.405" Polyethylene	50.0	24	84%	88% Braid 100% Foil	1.86	3.40	4.90
LMR™ 400	Solid	Black	Gas Injected Polyethylene	0.405" Polyethylene	50.0	23.9	85%	90% Braid 100% Foil	1.50	2.70	3.90

Fax Order Form

Make photocopies of this form for future use.

Fax: 630-351-9009
Order Line: 800-323-3757
sales@ANTENEX®.com

Phone: 630-351-9007
Tech Line: 630-351-9007 #5
Web: www.ANTENEX®.com

Date: ____/____/____

Bill To:

Account # _____ PO # _____
Contact _____
Company _____
Address _____
City, State, Zip _____
Phone _____ Fax _____

Ship To:

Attention: _____
Company _____
Address _____
City, State, Zip _____
Phone at Ship Point _____
Special Instructions _____

Drop Ship

Payment Method: (Net 30 Open Account requires credit approval - See the Dealer Application on page 41)

Visa MasterCard American Express Discover

Novus

Card number _____

Net 30 Open Account*

Name on card _____

** Requires dealer application approval
Please Allow 2 weeks to process*

Expires ____/____/____

Shipping Method:

FedEx Express Saver (2-3 days)

UPS Ground

U.S. Mail

FedEx Economy (2 day)

UPS Orange (3 Day)

Air Parcel Post

FedEx Standard (Next Day)

UPS Blue (2 Day)

Customer Pick-Up

FedEx Priority (By 10:30 AM)

UPS Red (By 10:30 AM)

(Pick-Up Time Must be Confirmed)

Pricing Level

1st Column (>\$1000)

2nd Column (<\$1000)

3rd Column (<\$300)

X-Act™ Hole Saw • Mounts • Coaxial Cable

Model	Qty.	Price	Extended
Column 1 Total:			

Model	Qty.	Price	Extended
Column 2 Total:			
Column 1 Total:			
Grand Total:			

Noise Suppressors • Lightning Arrestor

Voyager™ • Discadoo™ • Phantom™ • Mountaineer™ • GPSx™ • Genesis™ • Gold Yagis

Dealer Application



Note: We do ask a lot of questions, however, this is in your interest! **ANTENEX**® takes extra care qualifying dealers to avoid carelessly selling to our dealers' customers. All information will be held in the strictest confidence and we will process your account as quickly as possible. Please attach a copy of your state or local tax exemption certificate if your purchases are for resale and you do not want us to charge you sales tax.

Company Information

Company Name _____ Today's Date ____/____/____
Street Address _____ Date Established ____/____/____
City, State, Zip _____ At Present Location Since ____/____/____
Phone () _____ Fax () _____ Check One: Corporation
State Sales Tax Number _____ Partnership
Employer Identification Number _____ Sole Owner
E-mail Address _____ Do You Have A Website? No Yes http:// _____
Technician On Premises: Yes No

Principals / Officers

Estimated Monthly Antenna Purchases \$ _____ 1. _____ Title _____
Person(s) Authorized To Place Orders: _____ 2. _____ Title _____
_____ 3. _____ Title _____

Confidential Credit Information

Name Of Bank _____ Contact Name _____
Street Address _____ Checking Account No. _____
City, State, Zip _____ Phone () _____

List Four Trade References In The Radio Industry That You Have Established Credit With

Company Name _____	Company Name _____
Street Address _____	Street Address _____
City, State, Zip _____	City, State, Zip _____
Phone () _____	Phone () _____
Acct. No. _____	Acct. No. _____
Company Name _____	Company Name _____
Street Address _____	Street Address _____
City, State, Zip _____	City, State, Zip _____
Phone () _____	Phone () _____
Acct. No. _____	Acct. No. _____

Current Antenna Suppliers (Must List At Least One)

1. _____ 2. _____ 3. _____

I am a dealer for the following radio lines: _____

Where did you hear about **ANTENEX**®? _____

What attracted you to **ANTENEX**®? _____

Have you purchased **ANTENEX**® products? Yes No. Which ones? (If yes) _____

If so, from where did you purchase? _____

I authorize **ANTENEX**® to contact our bank and trade references to obtain applicant's credit information. In consideration for **ANTENEX**® extending credit to the above applicant, I hereby guarantee payment under the terms of this assignment. Interest of 1.5% monthly will be charged to overdue accounts and in the event of delinquency, debtor agrees to pay all collection fees and/or attorney fees.

Signature & Title _____ Print Name _____ Date ____/____/____

Product Design Worksheet

Company Information

Date ____/____/____
Company Name _____ Contact Name _____
Address _____
City, State, Zip, Country _____
Phone _____ Fax _____
E-Mail _____
Type of Business:: Manufacturer Distributor Dealer Carrier

Project Information

Project Name or Code Name _____
Project Description _____

Additional Special Requirements (if any) _____

New Product Existing Product Modify Existing Product Is Sample Available? Yes No
Predicted Monthly Quantities (1st 6 months) _____ (2nd 6 months) _____ (3rd 6 months) _____
Production Start Date _____ Ramp Up Schedule _____ Project Duration (Years) _____
Initial Number of Samples _____ Next Contact Date (Timeline) ____/____/____
Target Price _____ Packaging Requirements _____

Antenna Design Information

How will the product be used? Indoor Outdoor Specific _____
Is funding for tooling available? \$ _____ Is funding for design development available? \$ _____
Frequency _____ Antenna Electrical Length _____ 1/2 wave _____ 1/4 wave _____ Other _____
Pattern _____ VSWR _____ Return Loss _____ -dB
Gain _____ dBi _____ dBd _____ Equivalent or better than attached sample. _____
Additional Specs: Electrical _____ Mechanical _____ Power Rating _____ Watts

Other Information:

Please fill out the above form or complete it with the help of one of our factory technical representatives. **ANTENEX**® will apply its best minds and technologies to develop an antenna solution for you! We have worked “miracles” in improving performance, cost and survivability for military customers, OEM's, system integrators and utilities. Put **ANTENEX**® to work for you today!



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PHONE: 630-351-9007
800-323-3757 (USA ONLY)
FAX: 630-351-9009

ON-LINE: <http://www.ANTENEX.com>
E-MAIL: sales@ANTENEX.com

MAIL: 2000-205 Bloomingdale Road
Glendale Heights, IL 60139 U.S.A.

PAYMENTS

ADDRESS: ANTENEX®, Inc.
Dept. F
P.O. Box 4755
Carol Stream, IL 60197-4755

TECH-SUPPORT WORLDWIDE:

PHONE: 630-351-9011
FAX: 630-351-9009

ON-LINE: <http://www.ANTENEX.com>
E-MAIL: support@ANTENEX.com

"Se habla español."

"Parliamo in italiano."

"Chúng tôi nói tiếng việt rất thạo."

We speak many languages at ANTENEX®.

Of course, we export!



100 Percent Tested

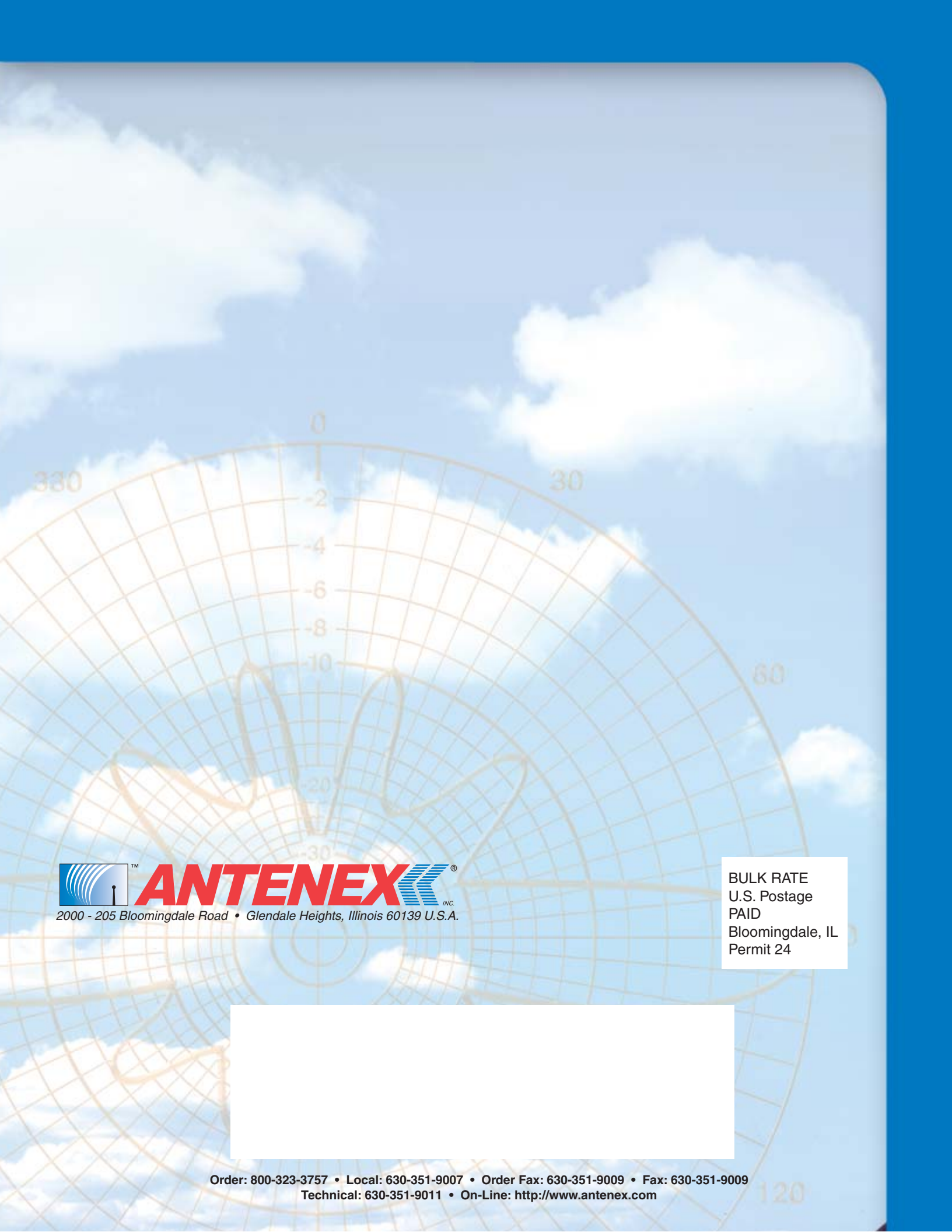
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- Better prices = better margins! Price columns indicate discount on total size of order. Prices are accurate at the time of printing and are subject to change without prior notice. Dealer accounts must buy a minimum of \$5,000.00 per year to maintain dealer pricing.
- Free freight ground service from the factory to anywhere within the continental U.S. on orders over \$500. A small handling charge may apply on smaller orders. Free freight policy does not apply to Mountaineer™ antennas, LMR 600, Folded Dipoles, large Yagi's and various site management product. Other exceptions may apply.
- A 15% restock charge will be applied for returned merchandise.
- All prices are quoted and invoiced in U.S. Dollars.
- All shipping claims must be made within 48 hours from the time of receipt.
- Most orders ship next day!

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