

BMMG Miniature Magnetic Mount Series

806-960 MHz, Unity/3dB Gain Antennas

Our BMMG Series features 12' of coaxial cable fully integrated into the antenna. It's small, easily transportable, quickly installable, and is offered with several different connector options.

Features:

- ◆ Small, easily transportable and quickly installable
- ◆ Broadbanded for Cellular, SMR, and Trunking applications

Electrical Specifications

Maximum Power:

16 Watts

VSWR:

<1.5:1 across entire bandwidth

Nominal Impedance:

50 Ohms

Antenna Type:

1/4 wave



Mechanical Specifications

Radiator Material:

.062" dia. stainless steel, black chrome finish

Base:

Machined polymer

Bushing:

Black chrome triple-plated brass

Coax Cable:

RG174

800 MHz models Antenna Height:

Unity- Approx. 3 1/2" at lowest frequency

3dB- Approx. 7" at lowest frequency

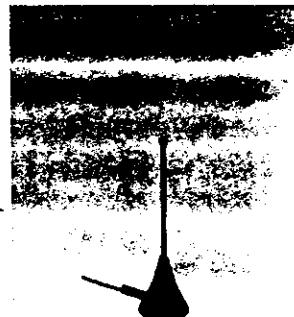
900 MHz models Antenna Height:

Unity- Approx. 3 1/4" at lowest frequency

3dB- Approx. 6 1/2" at lowest frequency

BMMG Series

Model #	Connectors	Frequency Range	Factory Tuned Frequency	Rod/Coll Type	Gain	List Price Black Models	List Price Black Models w/ "N" Connector
BMMG-8350*	"BN" = BNC "PL" = Mini UHF	824-896 MHz	835 MHz	Straight	Unity (Code 6)	\$38.63	\$40.63
BMMG-8153*	"FSMA" = SMA female "MSMA" = SMA male "C" = TNC	806-966 MHz	815 MHz	Collinear/Open	3dB	\$45.65	\$47.65
BMMG-8353*	"FSMART" = female SMA, reverse-threaded "MSMART" = male SMA, reverse-threaded	824-896 MHz	835 MHz	Collinear/Open	3dB	\$45.65	\$47.65
BMMG-9150*	"MSMART" = male SMA, reverse-threaded	896-960 MHz	915 MHz	Straight	Unity	\$38.65	\$40.65
BMMG-9153*		896-960 MHz	915 MHz	Collinear/Open	3dB	\$45.65	\$47.65



BMMG Series

*Please specify connector option when ordering

“On-Glass”[®]

Premium Window Mount Antennas



Models

APD826.1 • APD827.1
APD873.3 Series • APD876.3 Series

Flexible Foot — improved design adheres better to curved glass surfaces on today's automobiles

Solid State Coupling Box — all solder connections eliminated for superior mechanical integrity

Modern Euro-styling — complements latest automobile designs

Optimum Performance — a typical VSWR less than 1.2:1 across the cellular band for 3 dBd (5 dBi) gain models

Sleek Appearance — coupling box is less than 1/2 inch thick for easy installation and minimal visual impact

“Frequency Tuned Design” — optimum performance in virtually every installation with NO TUNING required

Hand-adjustable Whip — constant tension keeps whip vertical during normal use, yet whip can be folded down quickly and easily before entering a car wash without using tools . . . whip removal is not required

Optional Whips — user/installer choice of open, enclosed, straked, or low profile globe and spike

Available Model Configurations

Model	Connector	Whip Style
APD826.1M	Mini-UHF	Globe
APD826.1T	TNC male	Globe
APD826/CP	Adapter (consumer pack)	Globe
APD827.1M	Mini-UHF	Spike
APD827.1T	TNC male	Spike
APD827/CP	Adapter (consumer pack)	Spike
APD873.3M	Mini-UHF crimp	Open
APD873.3T	TNC male crimp	Open
APD873/CP	Adapter (consumer pack)	Open
APD876.3M	Mini-UHF crimp	Enclosed-straked
APD876.3T	TNC male crimp	Enclosed-straked
APD876/CP	Adapter (consumer pack)	Enclosed-straked
APXD873.3M	Mini-UHF attached	Open
APXD873.3T	TNC male attached	Open
APXD876.3M	Mini-UHF attached	Enclosed-straked
APXD876.3T	TNC male attached	Enclosed-straked
KAV873	Connector/cable not supplied	Open
KAV876	Connector/cable not supplied	Enclosed-straked

APD876.3 Series
“On-Glass” mount with enclosed-coil straked whip for wind-noise reduction and quieter performance.

U.S. Patent Nos. 4,883,680 & 5,343,214
U.S. Patent Des. 314,578 and other patents pending

APD873.3 Series
“On-Glass” mount with open-coil whip.

APD826.1/APD827.1

Electrical	
Power	10 watts
Gain	Unity (2 dBi)
Bandwidth	Entire cellular frequency range
VSWR	Better than 1.9:1
Mechanical	
Whip Material	Brass, black finish
Whip Length	3 inches (7.6 cm)
Mount	Polyurethane molded foot with brass insert and stainless steel hardware
Cable	15 ft (4.6 m), RG-58/U
Connector	See table

Specifications**APD873.3 Series**

10 watts
3 dBd (5 dBi)
Entire cellular frequency range
Better than 1.5:1
Stainless steel, black DURA-COAT™ finish
Approximately 14.7 inches (37.5 cm)
Polyurethane molded foot with brass insert and stainless steel hardware
15 ft (4.6 m), RG-58/U
See table

APD876 Series

10 watts
3 dBd (5 dBi)
Entire cellular frequency range
Better than 1.5:1
ABS overmolded Copperweld®
Approximately 13 inches (33 cm)
Polyurethane molded foot with brass insert and stainless steel hardware
15 ft (4.6 m), RG-58/U
See table

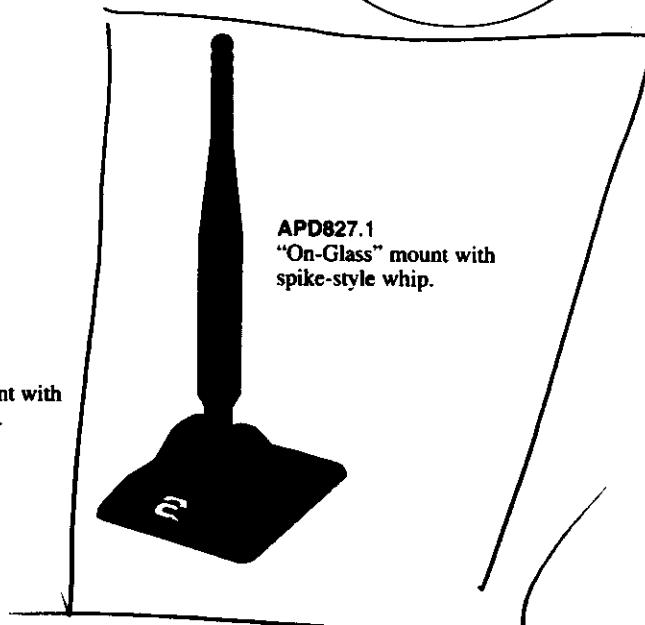
Solid state means solid performance.

Solid-state coupling box technology ensures unparalleled electrical and mechanical performance. The insert-brass matching network has no moving parts or solder connections to fail inside. Pre-tuning provides right-out-of-the-box use. Installation time is reduced while signal quality rises. The one-weld design decreases noise potential and increases reliability. The patented counterpoise design minimizes unwanted signal radiated from the coax cable, cutting risk of on-board computer interference. Best of all, the coupling box is only 1/2 inch thick!

Solid State Coupling Box
less than 1/2" thick



APD826.1
"On-Glass" mount with globe-style whip.



APD827.1
"On-Glass" mount with spike-style whip.

GPS-GC

Specifications

◆ Antenna

- Frequency : 1.575 GHz
- VSWR : 1.5 : 1
- Band Width : 10 MHz min.
- Impedance : 50 Ω
- Peak Gain : 4 dBiC (based on 7cm x 7cm ground plane)
- Gain Coverage : \geq 4 dBiC at $-90^\circ \leq \theta \leq +90^\circ$ (over 75% volume)
- Polarization : RHCP
- Power Handling : 1 watt



◆ Amplifier

- Amplifier Gain : 27 dB Typical
- Noise Figure : 1.2 dB
- Output VSWR : 2.0 max.
- Filtering : -25dB (\pm 100 MHz)
- DC Voltage : DC 3.0 or 5.0 V
- DC Current : 22mA max.

◆ Cellular Antenna

- Frequency : 880 ~ 960 MHz (GSM) *1
- VSWR : 2.0 : 1
- Impedance : 50 Ω
- Peak Gain : 3 dBi min.
- Polarization : Linear
- Pattern type : Omni-Direction



◆ Mechanical

- Weight : \leq 320 grams
- VSWR : 100mm Dia. x 39mm height
- Impedance : RG 174 with 5 meter long
- Break Gain : SMA connector for GPS
- Polarization : TNC connector for cellular
- Magnetic base *2

◆ Mechanical

- Working Temp : $-40^\circ \text{C} < T < +85^\circ \text{C}$
- VSWR : Sine Sweep, 1G (O-P), 10-150-10 Hz each axis
- Humidity : 100% RH

*1 You can select different system band. (AMPS;BETACS;BSMR;BGSM)

*2 You can select magnetic mounted or thread permanent mounted

* Note : Specifications subject to change without notice