

## 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

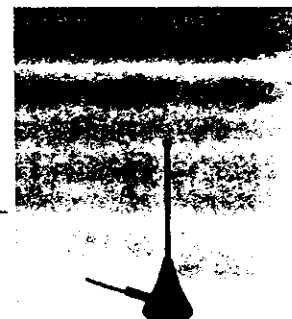
#### 900 MHz models Antenna Height:

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*		824-896 MHz	835 MHz	Straight	Unity (code)	\$38.63	\$40.63
BMMG-8153*	"BN" = BNC "PL" = Mini UHF "FSMA" = SMA female "MSMA" = SMA male "C" = TNC	806-866 MHz	815 MHz	Collinear/Open	3dB	\$45.65	\$47.65
BMMG-8353*	"FSMA" = female SMA, reverse-threaded "MSMA" = male SMA, reverse-threaded	824-896 MHz	835 MHz	Collinear/Open	3dB	\$45.65	\$47.65
BMMG-9150*		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"<sup>®</sup>

## 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 1.5:1 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.

**APD873.3 Series**  
"On-Glass" mount with open-coil whip.

## Specifications

### 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

### APD873.3 Series

**Power** 10 watts  
**Gain** 3 dBd (5 dBi)  
**Bandwidth** Entire cellular frequency range  
**VSWR** Better than 1.5:1

**Whip Material** Stainless steel, black DURA-COAT™ finish  
**Whip Length** Approximately 14.7 inches (37.5 cm)  
**Mount** Polyurethane molded foot with brass insert and stainless steel hardware  
**Cable** 15 ft (4.6 m), RG-58/U  
**Connector** See table

### APD876 Series

**Power** 10 watts  
**Gain** 3 dBd (5 dBi)  
**Bandwidth** Entire cellular frequency range  
**VSWR** Better than 1.5:1

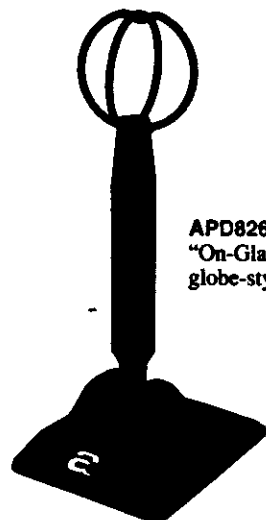
**Whip Material** ABS overmolded Copperweld®  
**Whip Length** Approximately 13 inches (33 cm)  
**Mount** Polyurethane molded foot with brass insert and stainless steel hardware  
**Cable** 15 ft (4.6 m), RG-58/U  
**Connector** See table

## Solid state means solid performance.

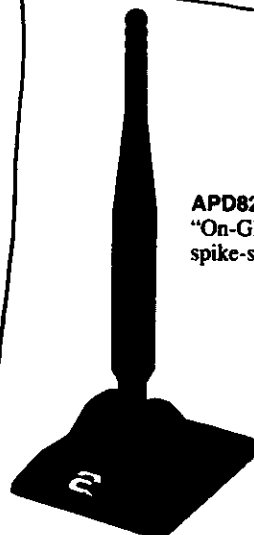
Solid-state coupling box technology ensures unparalleled electrical and mechanical performance. The insert-brass matching network has no moving parts or solder connections to fail inside. Pre-tuning provides right-out-of-the-box use. Installation time is reduced while signal quality rises. The one-weld 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  $\Omega$
- 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  $\Omega$
- 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
- Peak Gain : SMA connector for GPS  
TNC connector for cellular
- Polarization : 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