# Miniature Magnetic Mount - BMMG



824-896 MHz/1850-1990 MHz Dual Band, 896-960 MHz, 1.7-1.8 GHz DCS, 1.8-1.9 GHz PCS and 2.4 GHz ISM Miniature Magnetic Mount Antenna Series

The engineered design of the BMMG antennas combines a magnetic base, an antenna whip and high efficiency cable that allows direct installation on metallic surfaces without the need to use a separate antenna mount. All models include 12 feet of integrated low loss cable and a wide variety of connector options. Their black coated whip assembly and polymer base are inconspicuous, making these antennas less susceptible to theft or vandalism. The series offers models operating in dual band cellular/PCS, 900 MHz, DCS, PCS and 2.4 GHz frequencies. VHF, UHF and 800 MHz models are also available (see MAXCAT2002 for model options.)



Miniature magnetic mount antenna series

#### Radiator Material:

.062" diameter, stainless steel, black chrome finish

#### Polarization:

Vertical

#### Bushing:

Black chrome plated brass

#### Nominal Impedance:

50 Ohms

## Mount Method:

Magnetic base

### **Connector Options:**

See electrical specifications for connector options

#### Features and Benefits:

- Low profile design comprises a magnetic base, antenna whip and high
  efficiency cable for direct installation on metallic surfaces without the
  need for a separate mount.
- Black coated whip assembly and machined polymer base. Inconspicuous appearance, less susceptible to theft or vandalism.
- High efficiency cable provides maximum power to the antenna to help optimize system performance. Low loss ML195 cable assembly available for all 2.4 GHz models (upon request for other frequencies.)



The BMMG antennas feature a magnetic base that provides added mount flexibility for a variety of fixed or mobile applications.



# Specifications

Electrical Specifications								
	Frequency			Max.				
Model #	Range	Gain	VSWR	Power	Cable	Connector Options		
BMMG24005	2400-2484 MHz	5 dBi	<1.5:1	15 Watts	6' (1,828 mm) ML100A			
BMMG24005ML195*	2400-2484 MHz	5 dBi	<1.5:1	35 Watts	12' (3,657 mm) ML195	C-NC = No connector; NCP = Male N (w/ML195);		
BMMG24000	2400-2484 MHz	Unity	<1.5:1	15 Watts	6' (1,828 mm) ML100A	UN = Male N (w/ML100A); NF = N female (w/ML195);		
BMMG24000ML195*	2400-2484 MHz	Unity	<1.5:1	35 Watts	12' (3,657 mm) ML195	BN = BNC; C = Male TNC;		
BMMG19000*	1850-1990 MHz	Unity	<1.5:1	15 Watts	12' (3,657 mm) RG174	PL = Male Mini-UHF; FSMA = Female SMA;		
BMMG19000ML195*	1850-1990 MHz	Unity	<1.5:1	35 Watts	12' (3,657 mm) ML195	MSMA = Male SMA; FSMART = Female SMA, reverse		
BMMG18000*	1710-1880 MHz	Unity	<1.5:1	15 Watts	12' (3,657 mm) RG174	threaded;		
BMMG18000ML195*	1710-1880 MHz	Unity	<1.5:1	35 Watts	12' (3,657 mm) ML195	MSMART = Male SMA, reverse threaded; FMEJ = FME Jack:		
BMMG824/1900*	824-896/ 1850-1990 MHz	2 dBi/6 dBi	<1.5:1	15 Watts	6' (1,828 mm) RG174	FPL = Female Mini-UHF; MMCXRA = MMCX right angle		
BMMG824/1900ML195*	824-896/ 1850-1990 MHz	2 dBi/6 dBi	<1.5:1	35 Watts	12' (3,657 mm) ML195	plug; RPBN = Rev Pol BNC; RPC = Rev Pol TNC;		
BMMG9153*	896-960 MHz	3 dBd	<1.5:1	15 Watts	12' (3,657 mm) RG174	RPMSMA = Rev Pol Male SMA; FFME = Female FME		
BMMG9150*	896-960 MHz	Unity	<1.5:1	15 Watts	12' (3,657 mm) RG174			

<sup>\*</sup> Please specify connector option when placing an order. Please add \$2.00 for N connector option.

Mechanical Specifications								
Model #	Rod/Coil Type	Height	Weight	Operating Temperature				
BMMG24005	Trilinear/open	9" (228.6 mm)	2.5 oz	-40°C to +70°C				
BMMG24005ML195*	Trilinear/open	9" (228.6 mm)	9 oz	-40°C to +70°C				
BMMG24000	Straight	1.25" (31.75 mm)	2.1 oz	-40°C to +70°C				
BMMG24000ML195*	Straight	1.25" (31.75 mm)	8.6 oz	-40°C to +70°C				
BMMG19000*	Straight	1.50" (38.10 mm)	2.2 oz	-40°C to +70°C				
BMMG19000ML195*	Straight	1.50" (38.10 mm)	8.7 oz	-40°C to +70°C				
BMMG18000*	Straight	1.58" (40.10 mm)	2.3 oz	-40°C to +70°C				
BMMG18000ML195*	Straight	1.58" (40.10 mm)	8.8 oz	-40°C to +70°C				
BMMG824/1900*	Collinear/open	10.5" (267.0 mm)	3.5 oz	-40°C to +70°C				
BMMG824/1900ML195*	Collinear/open	10.5" (267.0 mm)	10 oz	-40°C to +70°C				
BMMG9153*	Collinear/open	6.5" (165.1 mm)	2.5 oz	-40°C to +70°C				
BMMG9150*	Straight	3.25" (82.5 mm)	2.4 oz	-40°C to +70°C				