

# Yagi Antennas, 806-896 MHz, 6.5 dBd gain

The BMXD806G has been engineered to meet the requirements of a high gain, broadband, premium quality antenna. This antenna provides 6.5 dBd gain and operates in the 806-896 MHz range. The BMXD806G is manufactured using high strength 6061-T6 aluminum to withstand heavy ice, high wind and other harsh conditions. All elements are welded to the boom and the dipole design has an integral feed line welded to the boom for extra strength and electrical conductivity. This eliminates misalignment or fastener problems. The entire antenna is anodized for appearance and corrosion resistance. A heavy duty clamp is supplied which easily permits horizontal or vertical polarization.

### Features

- Elements and boom are manufactured from aircraft quality 6061-T6 aluminum for optimum strength
- Antenna is anodized for corrosion resistance
- Antenna is supplied with a 2' pigtail (RG213) and N female connector



BMXD806G antenna (top) and BWC1001 mount (inset)



### Antenna Electrical Specifications

Model	Frequency Range	-3 dB Horizontal Beamwidth	-3 dB Vertical Beamwidth	Front to Back Ratio	Nominal Gain
BMXD806G	806-896 MHz	100°	62°	15 dB	6.5 dBd

### Mechanical Specifications

Model	Dimensions* (L x W)	Weight (Mass)	Cross Sectional Area	Lateral Thrust @ 100 mph	Rated Wind Velocity**
BMXD806G	13" x 6.8"	1.5 lbs	0.12 ft²	3 lbs	125 mph

### Technical Data

Maximum Power: 200 watts
Nominal Impedance: 50 ohms
VSWR: < 1.5:1 Nominal < 1.7:1 Maximum
Radiator Material: Aluminum 6061-T6
Mounting Method: Includes mounting hardware BWC1001

Model	Elements	Cable Type	Cable Length	Connector Type
BMXD806G	3	RG213	2 ft	N female

\* Dimension does not include antenna cable

\*\*120 mph with 1/2" radial ice