

Yagi Antennas, 690-746 MHz, 6.5 dBd gain

The BMXD690G 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 690-746 MHz range. The BMXD690G 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. The BMXD690G is available with a variety of connector and cable options.

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



BMXD690G 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
BMXD690G	690-746 MHz	36°	33°	20 dB	6.5

Mechanical Specifications

Model	Dimensions* (L x W)	Weight (Mass)	Cross Sectional Area	Lateral Thrust @ 100 mph	Rated Wind Velocity**
BMXD690G	20" x 7.5"	1.5 lbs	0.18 ft ²	4 lbs	150 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: BWC1001

Model	Elements	Cable Type	Cable Length	Connector Type
BMXD690G	3	RG213	2 ft	N female

* Dimension does not include antenna cable

**125 mph with 1/2" radial ice