



BMXD451K antenna (top)
and BWC1001A mount
(inset)



Yagi Antennas, 450-490 MHz, 10 dBd gain

The BMXD451K has been engineered to meet the requirements of a high gain, broadband, premium quality antenna. This antenna provides 10 dBd gain and operates in the 450-490 MHz range. The BMXD451K 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

Technical Data

Maximum Power: 250 watts
Nominal Impedance: 50 ohms
VSWR: < 1.5:1 Nominal < 1.7:1 Maximum
Radiator Material: Aluminum 6061-T6
Mounting Method: Includes mounting hardware BWC1001A

Antenna Electrical Specifications

Model	Frequency Range	-3 dB Horizontal Beamwidth	-3 dB Vertical Beamwidth	Front to Back Ratio	Nominal Gain
BMXD451K	450-490 MHz	52°	45°	20 dB	10 dBd

Mechanical Specifications

Model	Dimensions* (L x W)	Weight (Mass)	Cross Sectional Area	Lateral Thrust @ 100 mph	Rated Wind Velocity**
BMXD451K	42" x 11.8"	3 lbs	0.46 ft ²	11.5 lbs	150 mph

Model	Elements	Cable Type	Cable Length	Connector Type
BMXD451K	7	RG213	2 ft	N female

* Dimension does not include antenna cable

**80 mph with 1/2" radial ice