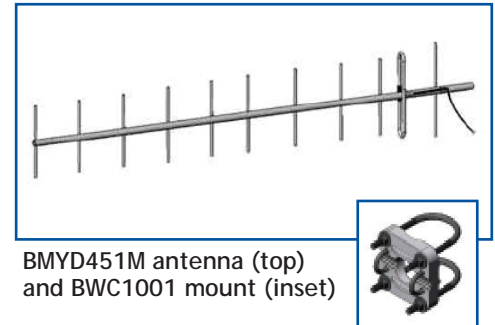


Yagi Antennas, 450-490 MHz, 12 dBd gain

The BMYD451M has been engineered to meet the requirements of a high gain, broadband, premium quality antenna. This antenna provides 12 dBd gain and operates in the 450-490 MHz range. The BMYD451M 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



BMYD451M 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
BMYD451M	450-490 MHz	44°	39°	20 dB	12 dBd

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 BWC1001

Mechanical Specifications

Model	Dimensions* (L x W)	Weight (Mass)	Cross Sectional Area	Lateral Thrust @ 100 mph	Rated Wind Velocity**
BMYD451M	72" x 13"	4 lbs	0.85 ft ²	21.25 lbs	100 mph

Model	Elements	Cable Type	Cable Length	Connector Type
BMYD451M	11	RG213	2 ft	N female

* Dimension does not include antenna cable

**80 mph with 1/2" radial ice