



BMYD745G antenna (top) and BWC1001 mount (inset)



## Yagi Antennas, 745-806 MHz, 6.5 dBd Gain

The BMYD745G 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 745-806 MHz range. The BMYD745G 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

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

### Antenna Electrical Specifications

| Model    | Frequency Range | -3 dB Horizontal Beamwidth | -3 dB Vertical Beamwidth | Front to Back Ratio | Nominal Gain |
|----------|-----------------|----------------------------|--------------------------|---------------------|--------------|
| BMYD745G | 745-806 MHz     | 102°                       | 65°                      | 15 dB               | 6.5 dBd      |

### Mechanical Specifications

| Model    | Dimensions* (L x W) | Weight (Mass) | Cross Sectional Area | Lateral Thrust @ 100 mph | Rated Wind Velocity** |
|----------|---------------------|---------------|----------------------|--------------------------|-----------------------|
| BMYD745G | 18" x 7.5"          | 1.5 lbs       | 0.16 ft <sup>2</sup> | 4 lbs                    | 150 mph               |

| Model    | Elements | Cable Type | Cable Length | Connector Type |
|----------|----------|------------|--------------|----------------|
| BMYD745G | 3        | RG213      | 2 ft         | N female       |

\* Dimension does not include antenna cable

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