



BMO902J (left) and BMO902G (right) antennas both include the BWC1002 clamp (right)



### Technical Data

<b>Maximum Power:</b> 250 watts (BMO1428 series) 200 watts (BMO902 series)
<b>Nominal Impedance:</b> 50 ohms
<b>VSWR:</b> 1.5:1
<b>Connector Type:</b> N female
<b>Mounting Method:</b> BWC1002 clamp included (BMO902 series) BWC1005 clamp included (BMO1420F)

## Omnidirectional Antennas

The BMO series has been designed to provide omni-directional coverage in the various frequency bands. Antenna base is anodized 6061-T6 aluminum to provide a solid, secure mount for the N-Female termination. The BMO antennas are fully encased in a UV-stable, heavy-duty fiberglass radome to withstand harsh environmental conditions.

### Features

- Heavy duty, fiberglass radome
- Mounting hardware and clamps are included

### Antenna Electrical Specifications

Model	Frequency Range	-3 dB Horizontal Beamwidth	-3 dB Vertical Beamwidth	Nominal Gain
BMO1428F	1428-1454 MHz	360°	28°	5 dBd
BMO1428I	1428-1454 MHz	360°	22°	8 dBd
BMO902D	902-928 MHz	360°	28°	3 dBd
BMO902G	902-928 MHz	360°	15°	6 dBd
BMO902J	902-928 MHz	360°	5°	9 dBd

### Mechanical Specifications

Model	Dimensions (L x W)	Weight (Mass)	Cross Sectional Area	Lateral Thrust @ 100 mph	Rated Wind Velocity
BMO1428F	33" x 2"	2.7 lbs	.34 ft <sup>2</sup>	14.08 lbs	150 mph**
BMO1428I	48" x 2"	4.1 lbs	.75 ft <sup>2</sup>	16.4 lbs	150 mph**
BMO902D	52" x 2.5"	5 lbs	.83 ft <sup>2</sup>	20.75 lbs	150 mph**
BMO902G	72.5" x 2.5"	10 lbs	1.17 ft <sup>2</sup>	29.25 lbs	150 mph**
BMO902J	120.5" x 2.5"	12.5 lbs	1.9 ft <sup>2</sup>	47.5 lbs	120 mph***

\*\*125 mph with 1/2" radial ice

\*\*\*90 mph with 1/2" radial ice