



Compact Sector Antennas



BMS compact sector antennas comprise 2, 4 or 8 tier arrays of dipole/corner reflector radiating elements housed in a rugged fiberglass tube. This configuration gives a wide 100 degree azimuth pattern beamwidth and exceptionally constant performance over a wide operating bandwidth in a very compact cross section. The forward direction is indicated by a flat (and label) on the anodized aluminum base, and the antennas are supplied with stainless steel brackets and U bolts for mounting. These antennas are suitable for sector coverage applications, for example the receive end of a mobile transmission.

Features:

- ▶ Azimuth B/W 100 degrees
- ▶ Vertical Polarization
- ▶ Return loss: 14dB typical (1.5 to 1 VSWR)
- ▶ Color: White or Black (specify)
- ▶ Connector: N(f) or TNC(f)
- ▶ Stainless steel bracket Mount with U-Bolts (supplied)

Characteristics					
Frequency	Gain	Elevation B/W	Azimuth B/W	Diameter	Length
1.15-1.4 GHz	9dBi	35°	100°	67mm, 2.6"	475mm, 18.7"
1.15-1.4 GHz	12dBi	18°	100°	67mm, 2.6"	850mm, 33.5"
1.71-2.17 GHz	9dBi	35°	100°	67mm, 2.6"	318mm, 12.5"
1.71-2.17 GHz	12dBi	18°	100°	67mm, 2.6"	550mm, 21.6"
1.98-2.5 GHz	9dBi	35°	100°	54mm, 2.1"	279mm, 11.0"
1.98-2.5 GHz	12dBi	18°	100°	54mm, 2.1"	479mm, 18.9"
1.98-2.5 GHz	14.5dBi	9°	100°	54mm, 2.1"	879mm, 34.6"
2.3-2.7 GHz	9dBi	35°	100°	54mm, 2.1"	267mm, 10.5"
2.3-2.7 GHz	12dBi	18°	100°	54mm, 2.1"	447mm, 17.6"
2.3-2.7 GHz	14.5dBi	9°	100°	54mm, 2.1"	807mm, 31.8"
3.3-3.7 GHz	9dBi	35°	100°	42mm, 1.6"	218mm, 8.6"
3.3-3.7 GHz	12dBi	18°	100°	42mm, 1.6"	347mm, 13.7"
3.3-3.7 GHz	14.5dBi	9°	100°	42mm, 1.6"	604mm, 23.8"
6.4-7.2 GHz	12dBi	18°	100°	27mm, 1.1"	254mm, 10.0"

