

**BII Circular Polarization - Two Connector - Ice Protected - High Gain**

**ELECTRICAL DATA**

Frequency range	87.5 – 108.0 MHz	
Gain	6.6 dBd	
Gain 1 polarization	3.6 dBd	
3 dB Beam Width	Horizontal: 71° - Vertical: 74°	
Impedance	50 Ω	
VSWR	< 1.1:1 Broad Band	
Polarization	Circular	
Maximum Power Rating (Per Connector)	5 KW (2.5 KW)	10 KW (5 KW)
Connectors	2 x DIN 7/16	2 x EIA 7/8"
Lighting Protection	DC Grounded	

**MECHANICAL DATA**

Dimensions (A x B x C)	1700 x 1700 x 1195 mm	
Weight	64 Kg	
Maximum Wind Speed	190 Km/h	
Wind Load	50 Kg @ 160 Km/h	
Materials	Dipole in Stainless Steel Inner Line Silver Plated Reflector in Hot Dip Galvanized Fiber Glass Radome	
Mounting	Mast Ø 60, 90 or 114 mm	
Vertical Spacing	0.8 λ (typical)	
Temperature Range / Humidity	-20°C to 60° C	100%

**ARRAY DATA**

Number of Bays	Number Anten. per Bay	Gain (dBd)	System Height (mm)
1	2	3.6	1850
	3	1.9	
	4	0.6	
2	2	6.6	4250
	3	4.9	
	4	3.6	
4	2	9.6	9050
	3	7.9	
	4	6.6	
6	2	11.4	13850
	3	9.7	
	4	8.4	
8	2	12.6	18650
	3	10.9	
	4	9.6	

