

## BII Circular Polarization - One Connector - Detachable - Minimal Tower Space - High Gain

### ELECTRICAL DATA

Frequency range	87.5 – 108.0 MHz	
Gain	4.5 dBd	
Gain 1 polarization	1.5 dBd	
3 dB Beam Width	Horizontal: 85° - Vertical: 85°	
Front to Back Ratio	22 dB	
Impedance	50 Ω	
VSWR	< 1.15:1 Broad Band	
Polarization	Circular	
Maximum Power Rating	3 KW	6 KW
Connectors	1 x DIN 7/16	1 x EIA 7/8"
Lighting Protection	DC Grounded	

### MECHANICAL DATA

Dimensions (A x B x C)	1900 x 950 x 1900 mm	
Weight	55 Kg	
Maximum Wind Speed	190 Km/h	
Wind Load	44 Kg @ 160 Km/h	
Materials	Dipole in Stainless Steel Inner Line Silver Plated Reflector in Hot Dip Galvanized	
Mounting	Mast Ø 90 or 114 mm	
Vertical Spacing	0.66 λ (1900 mm)	
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	1.5	1900
	3	-0.2	
	4	-1.5	
2	2	4.5	3800
	3	2.7	
	4	1.5	
4	2	7.5	7600
	3	5.7	
	4	4.5	
6	2	9.2	11400
	3	7.5	
	4	6.2	
8	2	10.5	15200
	3	8.7	
	4	7.5	

