

BII Vertical Polarization – Demountable – Ice Protected

ELECTRICAL DATA

Frequency range	87.5 – 108.0 MHz	
Gain	2.16 dBd	
3 dB Beam Width	Horizontal: 199.7° - Vertical: 73.6°	
Front to Back Ratio	> 5.0 dB	
Impedance	50 Ω	
VSWR	< 1.25:1 Broad Band	
Polarization	Vertical	
Maximum Power Rating	3 KW	6 KW
Connector	DIN 7/16	EIA 7/8"
Lighting Protection	DC Grounded	

MECHANICAL DATA

Dimensions (A x B x C)	1490 x 160 x 1422 mm	
Weight	19 Kg	
Maximum Wind Speed	190 Km/h	
Wind Load	26 Kg @ 165 Km/h	
Materials	Dipole in Stainless Steel Inner Line Silver Plated Silicon O.Ring, PTFE Insulator Radome in Fiberglass	
Mounting	Mast Ø 60, 90 or 114 mm	
Vertical Spacing	0.9 λ (≈2700 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	1	2.16	1490
2	1	5.16	4190
3	1	6.94	6890
4	1	8.16	9590
6	1	9.94	14990
8	1	11.16	20390

