

BII Vertical Polarization - Demountable - Ice Protected

ELECTRICAL DATA

Frequency range	87.5 – 108.0 MHz
Gain	3.0 dBd
3 dB Beam Width	Horizontal: 150° - Vertical: 70°
Front to Back Ratio	> 10.5 dB
Impedance	50 Ω
VSWR	< 1.22:1 Broad Band
Polarization	Vertical
Maximum Power Rating	5 KW
Connector	EIA 7/8"
Lighting Protection	DC Grounded

MECHANICAL DATA

Dimensions (A x B x C)	1750 x 1305 x 80 mm	
Weight	16 Kg	
Maximum Wind Speed	200 Km/h	
Wind Load	26 Kg @ 160 Km/h	
Materials	Dipole in Stainless Steel Inner Line Silver Plated Polyester Fiber Glass Radome	
Mounting	Mast Ø 60, 90 or 114 mm	
Vertical Spacing	0.9 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	1	3.0	1750
2	1	6.0	4500
3	1	7.8	7250
4	1	9.0	10000
6	1	10.8	15500
8	1	12.0	21000

