

BIII Vertical Polarization – Compact Design

ELECTRICAL DATA

Frequency range	174 – 240 MHz	
Gain average	2.2 dBd	
3 dB Beam Width	Horizontal: 220° - Vertical: 85°	
Front to Back Ratio	6.0 dB	
Impedance	50 Ω	
VSWR	< 1.25:1 Broad Band	
Polarization	Vertical	
Maximum Power Rating	2 KW	3.5 KW
Connector	DIN 7/16	EIA 7/8"
Lighting Protection	DC Grounded	

MECHANICAL DATA

Dimensions (A x B x C)	665 x 820 x 60 mm	
Weight	4.7 Kg	
Maximum Wind Speed	200 Km/h	
Wind Load	6 Kg @ 160 Km/h (side) 3 Kg @ 160 Km/h (front)	
Materials	Dipole in Stainless Steel Inner Line Silver Plated Silicon O.Ring, PTFE Insulator	
Mounting	Mast Ø 60, 90 or 114 mm	
Vertical Spacing	0.82 λ (1200 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	2,2	665
2	1	5.2	1865
3	1	7.0	3065
4	1	8.2	4265
6	1	10.0	6665
8	1	11.2	9065

