

BIII Vertical Polarization – Demountable – Compact Design

ELECTRICAL DATA

Frequency range	174 – 240 MHz	
Gain average	4.6 dBd	
3 dB Beam Width	Horizontal: 123.8° - Vertical: 65.°	
Front to Back Ratio	15.0 dB	
Impedance	50 Ω	
VSWR	< 1.17:1 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)	1000 x 760 x 125 mm	
Weight	9.5 Kg	
Maximum Wind Speed	200 Km/h	
Wind Load	15 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	0.9 λ (1400 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	4.6	1000
2	1	7.6	2300
3	1	9.4	3600
4	1	10.6	4900
6	1	12.4	7500
8	1	13.6	10100

