

Band II 2 crossed dipoles circular/elliptical polarization panel • Especially suitable for triangular masts

Electrical Specifications

Frequency range	87.5-108 MHz		
Peak gain	4.5 dB (ref. $\lambda/2$ dipole)		
3 dB beam width	Horizontal: 92°	Vertical: 92°	
Polarization	Circular / Elliptical		
Impedance	50 Ohm		
VSWR	≤ 1.1:1 (with circular polarization)		
Maximum power handling (per connector)	5 kW (2.5 kW)	10 kW (5 kW)	14 kW (7 kW)
Connector type (2 per antenna)	2 x DIN 7/16	2 x EIA 7/8"	2 x DIN 13/30
Pressurization	Non pressurized	Gas barrier on input connector	
	Fully pressurized as an option		

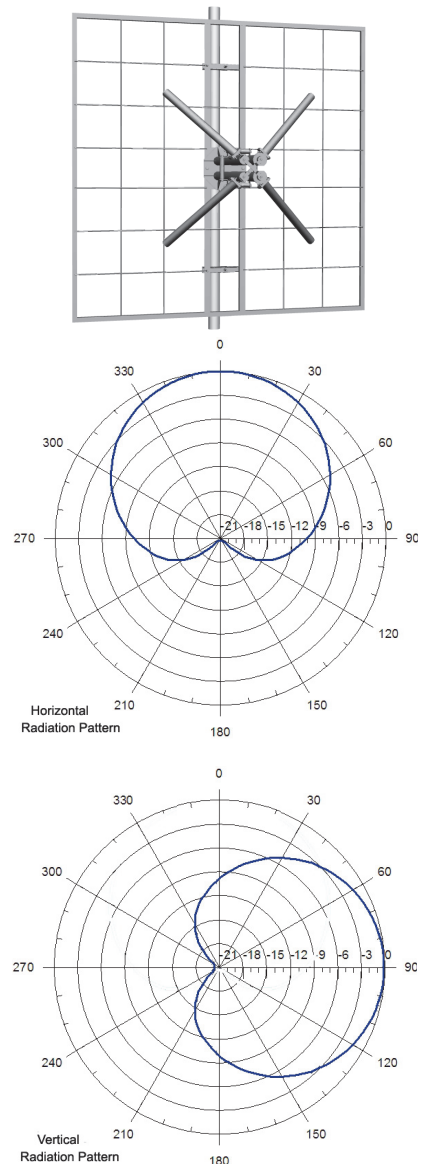
Mechanical & Environmental Specifications

Materials	Hot dip galvanized steel
Dimensions (W x D x H)	2000 x 1013 x 2000 mm
Maximum wind speed	200 km/h
Wind load (front)	1150 N (@160 km/h)
Wind load (lateral)	803 N (@160 km/h)
Weight	55 kg
Typical mounting	Triangular arrangement tower
Clamp type	To Ø 80 – 115 mm pipe
Vertical spacing	2800 mm typical
Grounding	DC grounded
Temperature range	-40°C to +80°C
Humidity	100%

Antenna System Characteristics

Number of Bays	Number ant. per bay	Peak gain (dBd)	Weight (kg)	Wind load (@160 km/h)	System height (mm)
1	2	2.6	110	2.5 kN	2000
	3	0.4	165	3.7 kN	
2	2	5.6	220	5.1 kN	4800
	3	3.4	330	7.4 kN	
4	2	8.6	440	10.1 kN	10400
	3	6.4	660	14.8 kN	
6	2	10.4	660	15.2 kN	16000
	3	8.2	990	22.1 kN	
8	2	11.6	880	20.3 kN	21600
	3	9.4	1320	29.5 kN	

The above specified gain must be understood for circular polarization



NOTES:

- Table supplies data up to 8 bays only for simplification purposes; systems with more bays are available.
- Null fill, beam tilt, harness & feeder losses NOT INCLUDED.
- Wind load & weight figures without considering cables, splitters & hardware.