

Band IV/V horizontal polarization panel • Especially suitable for square masts

Electrical Specifications

Frequency range	470-862 MHz			
Peak gain	11.5 dB (ref. $\lambda/2$ dipole)			
3 dB beam width	E-plane: 61°		H-plane: 26°	
Polarization	Horizontal			
Impedance	50 Ohm			
VSWR	≤1.1:1 typical (≤1.13:1 max) -26 dB typical (-24 dB max.)			
Maximum power handling peak sync	1.4 kW	3.5 kW	4.2 kW	6.5 kW
Maximum power handling RMS	1 kW	2.5 kW	3 kW	4.5 kW
Connector type	DIN 7/16	EIA 7/8"	DIN 13/30	EIA 1 5/8"
Pressurization	Non pressurized	Gas barrier on input connector		



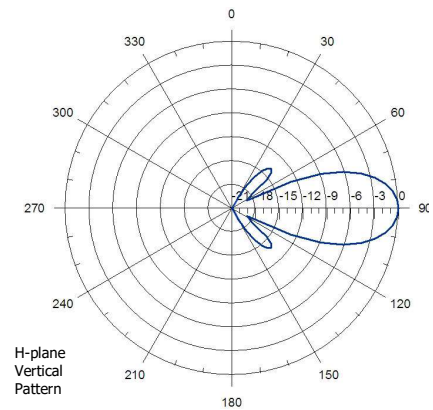
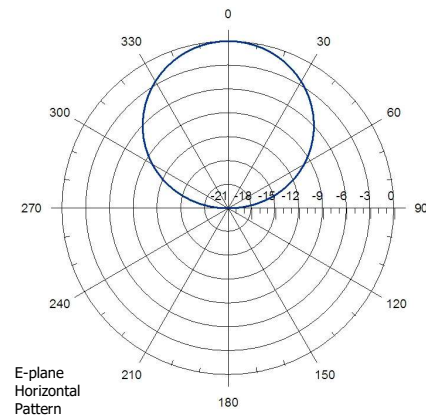
TV UHF

Mechanical & Environmental

Materials	Reflector & radiating elements	Aluminium (Stainless steel available on request)
	Radome Radome colour	Fiberglass Red or white on request
Dimensions (W x D x H)		483 x 264 x 983 mm
Maximum wind speed		225 km/h
Wind load (front)		743 N (@160 km/h)
Wind load (lateral)		258 N (@160 km/h)
Weight		10 kg (model with DIN 7/16 connector)
Typical mounting		Several combinations depending on the radiation pattern required (square typical)
Vertical spacing		1000 mm
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	8.4	20	1.1 kN	1000
	3	6.6	30	1.6 kN	
	4	5.3	40	1.5 kN	
2	2	11.4	40	2.2 kN	2000
	3	9.6	60	3.2 kN	
4	2	14.4	80	4.4 kN	4000
	3	12.6	120	6.4 kN	
6	2	16.1	120	6.6 kN	6000
	3	14.4	180	9.6 kN	
	4	13.1	240	9.3 kN	
8	2	17.4	160	8.8 kN	8000
	3	15.6	240	12.8 kN	
	4	14.4	320	12.4 kN	



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.