

4250.09-780-T_x

Single Band | Omni Antenna | V-Pol | 360° | 9.0 dBd | Fixed Tilt | **With 25% NULL FILL**

Ordering Options		
When ordering, replace the "x" in the model number with the electrical downtilt. Select from the options listed below.		
Antenna with 0° fixed electrical downtilt	4250.09-780-T0	
Antenna with 3° fixed electrical downtilt	4250.09-780-T3	
Antenna with 6° fixed electrical downtilt	4250.09-780-T6	
Electrical Characteristics		
Frequency Range	695-870 MHz	
Input Impedance	50Ω	
VSWR	< 1.5:1	
H-Plane Ripple	< ±0.5 dB	
Input Power (Continuous)	480 Watts	
Peak Instantaneous Power (PIP)	25 kW	
Polarization	Vertical	
Gain	9.0 dBd (11.2 dBi)	
Horizontal Beamwidth (3 dB)	Omni-Directional	
Vertical Beamwidth (3 dB)	5.5° ±0.5°	
Lower Sidelobe Control	25% (-12.4 dB)	
Intermodulation (3rd Order, 2x Tx @ 43 dBm)	-153 dBc	
Antistatic Protection	All metal parts DC Grounded (connector shows a DC short)	
Lightning Protection	Lightning current handling capability: 200 kA According to EN 62305-1 (Test Pulse 10/350 μs)	
Mechanical Characteristics		
Connector	7/16-DIN Female	
Construction Material	Antenna Base	Aluminium
	Shroud	GRP Tube 53 mm (2.1 in) Diameter
	Radiating Element	Brass
Mounting Section	Al. Tube 63.5 mm (2.5 in) Diameter x 350 mm (13.8 in) Length	
Dimensions (Length x Diameter)	4160 x 53 mm (163.8 x 2.1 in)	
Weight	9 kg (20 lbs)	
Wind Loading (@ 45ms ⁻¹)	333 N (69.0 lbf)	
Survival Wind Speed	300 km/h (186 mph)	
IP Rating	IP56	
Mounting Options	Part Number	Fits Pipe Diameter
All mounting bracket kits are ordered separately unless otherwise indicated.		
Parallel Bracket	2141.01.00.00	Fits Up to Ø120 mm (Ø4.7 in)

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.