

4250.09-875-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		4250.09-875-T0	
Antenna with 3° fixed electrical downtilt		4250.09-875-T3	
Antenna with 6° fixed electrical downtilt		4250.09-875-T6	
Electrical Characteristics			
Frequency Range		790-960 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 (Null Fill)		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)		3850 x 63.5 mm (151.6 x 2.5 in)	
Weight		8.5 kg (19 lbs)	
Wind Loading (@ 45ms ⁻¹)		309 N (69.5 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)

