

## 4240.09-780-T<sub>x</sub>

Single Band | Omni Antenna | V-Pol | 360° | 9.0 dBd | Fixed Tilt

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		4240.09-780-T0	
Antenna with 3° fixed electrical downtilt		4240.09-780-T3	
Antenna with 6° fixed electrical downtilt		4240.09-780-T6	
Electrical Characteristics			
Frequency Range		690-870 MHz	
Input Impedance		50Ω	
VSWR		< 1.5:1	
H-Plane Ripple		< ±1 dB	
Maximum Input Power		400 Watts	
Polarization		Vertical	
Gain		9.0 dBd (11.2 dBi)	
Horizontal Beamwidth (3 dB)		Omni-Directional	
Vertical Beamwidth (3 dB)		8° ±1°	
Intermodulation (3rd Order, 2x Tx @ 43 dBm)		-153 dBc	
Lightning Protection		Withstands 2.5 x 10 <sup>6</sup> A²s pulse; DC Grounded	
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 48.4 mm (1.9 in) Diameter	
Dimensions (Length x Diameter)		2880 x 53 mm (113.4 x 2.1 in)	
Weight		9.5 kg (20.9 lbs)	
Wind Loading (@ 45ms <sup>-1</sup> )		240 N (54.0 lbf)	
Survival Wind Speed		300 km/h (186 mph)	
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)
Cross Bracket	0300284/00 & 4884036/00		Fits Up to Ø50 mm (Ø2.0 in)
	0300284/00 & 4884076/00		Fits Up to Ø76 mm (Ø3.0 in)
	0300284/00 & 4884035/00		Fits Up to Ø100 mm (Ø3.9 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.