



7825800


7825800N

1-Band | Omni | V-Pol | 360° | Fixed Tilt | 210 mm

- Single Band, V-Pol, fixed tilt, omni antenna
- Versatile size for a variety of applications
- For indoor and outdoor use

ACCESS PORT DESCRIPTION (CONNECTORS)	
The antenna has 1 colour-coded connector located at the bottom face.	
Frequency Designation	 R1/Y1
Frequency Range	698-960 / 1710-2700 MHz
Polarisation	Vpol
Horizontal Beamwidth	360°
Electrical Downtilt Range	0°
Connector Type	(1x) 7/16 DIN Female (or) 4.3-10 Female

ARRAY LAYOUT	ARRAY	FREQUENCY	CONNECTOR	CONNECTOR TYPE
	 R1/Y1	698-960/1710-2700	1	7/16-DIN Female (or) 4.3-10 Female

ELECTRICAL CHARACTERISTICS		 R1/Y1			
Frequency Bands		698-960/1710-2700 MHz			
		698-806 MHz	806-960 MHz	1710-2200 MHz	2200-2700 MHz
Gain		1.8 ± 0.5 dBi	1.5 ± 0.5 dBi	2.5 ± 0.5 dBi	3.0 ± 0.4 dBi
Input Impedance		50Ω			
VSWR		< 2.5	< 2.5	< 2.5	< 2.0
Polarisation		Vertical			
Horizontal Beamwidth (-3 dB)		360° ± 0°	360° ± 0°	360° ± 0°	360° ± 0°
Vertical Beamwidth (-3 dB)		90° ± 15.5°	70.5° ± 13.5°	45.5° ± 16.5°	40.5° ± 18.2°
Electrical Downtilt Range		0°			
Front-to-Back Ratio (@ 180° ± 30°)		N/A			
Passive Intermodulation 3rd Order for 2 x 20W carriers		< -107 dBm			
Cross Polar Ratio	Main Direction (0°)	N/A	N/A	N/A	N/A
	Sector Edges (±60°)	N/A	N/A	N/A	N/A
Maximum Average Input Power (at 50°C Ambient Temperature)		50 W			
Inter/Intra Band Isolation		N/A			



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.

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ENVIRONMENTAL CHARACTERISTICS		
Lightning Protection		DC Ground
Environmental		ETS 300 019
Operating Temperature		-40° to +60° C
Product Environmental Compliance		Product is RoHs Compliant
MECHANICAL CHARACTERISTICS		
Dimensions (Height x Width x Depth)		210 mm x 32 mm x 32 mm
Weight (excluding mounting accessory)		0.16 kg
Mechanical Distance Between Mounting		0 mm (Only one point)
Wind Load (at 150 km/h)	Calculation	150 km/h
	Frontal	40 N
	Rear	55 N
	Lateral	13 N
Operational Wind Speed		160 km/h
Survival Wind Speed		200 km/h
Radome color		White
Radome Material		PVC
SHIPPING (100 in 1 box)	Dimensions	585 mm x 230 mm x 295 mm
	Weight	17 kg
	Volume	0.04 m ³

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