

5825398F00

2Xpol | 65° / 58° Az | 8.0 / 8.0 dBi | 0° / 0° | Diplexed | 380 x 280 x 125 mm

- Dual band antenna, dual polarisation, diplexed, 2 connectors
- Fixed tilt on each band 0° / 0°

ORDERING OPTIONS	MODEL NUMBER	
Antenna with 4.3-10 Connectors	5825398NF00	
Antenna with 7/16-DIN Connectors	5825398F00	
ACCESS PORT DESCRIPTION (CONNECTORS)		
The antenna has 2 connectors located at the bottom face.		
Frequency Designation	R1	Y1
Frequency Range	698-960 MHz	1710-2690 MHz
Polarisation	Xpol	Xpol
Horizontal Beamwidth	65°	58°
Fixed Electrical Downtilt	0°	0°
Connector Type	(2x) 4.3-10 or 7/16-DIN Female (Diplexed)	



ELECTRICAL CHARACTERISTICS	R1	
Frequency Bands	698-960 MHz	
Gain	8.0 dBi ± 1.0 dB	
Input Impedance	50Ω	
VSWR	≤ 1.5:1	
Polarisation	±45°	
Horizontal Beamwidth (-3 dB)	65° ± 8°	
Vertical Beamwidth (-3 dB)	60°	
Electrical Downtilt Range	0°	
Isolation	> 25 dB	
Front-to-Back Ratio	> 20 dB	
Maximum Power (Per Port)	200 W	
Intermodulation 3rd Order for 2 x 20W Carriers	≤ -150 dBc	

ELECTRICAL CHARACTERISTICS	Y1	
Frequency Bands	1710-2690 MHz	
Gain	8.0 dBi ± 1.0 dB	
Input Impedance	50Ω	
VSWR	≤ 1.5:1	
Polarisation	±45°	
Horizontal Beamwidth (-3 dB)	58° ± 8.0°	
Vertical Beamwidth (-3 dB)	55°	
Electrical Downtilt Range	0°	
Isolation	> 25 dB	
Front-to-Back Ratio	> 25 dB	
Maximum Power (Per Port)	200 W	
Intermodulation 3rd Order for 2 x 20W Carriers	≤ -150 dBc	

Several patents pending regarding this product. 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	
Operating Temperature Range	-40° C to +60° C
Operational Humidity	< 95%
MECHANICAL CHARACTERISTICS	
Dimensions (see drawing)	Height: 380 mm Width: 280 mm Depth: 125 mm
Weight	2.9 kg (excluding mounting accessory)
Shroud	UPVC, RAL7035
Operational Wind Speed	200 km/h
MOUNTING KIT OPTIONS	
Mounting Kit	Brackets for pole Ø45 to Ø95 mm (included)