

## 5558208F0

1-Band, 2-Port, 65°, XPOL, Panel Antenna, Fixed Tilt, 1987 mm

- Single band antenna, dual polarisation, 2 connectors
- Fixed Tilt

ACCESS PORT DESCRIPTION (CONNECTORS)	
The antenna has 2 colour-coded connectors located at the bottom face.	
Frequency Designation	R1
Frequency Range	450-470 MHz
Polarisation	Xpol
Horizontal Beamwidth	65°
Fixed Electrical Downtilt	0°
Connector Type	(2x) 7/16-DIN Female



ELECTRICAL CHARACTERISTICS		R1
Frequency Bands		450-470 MHz
Gain	at Mid Tilt	15.0 dBi
	Over All Tilts	15.0 ± 0.5 dBi
Input Impedance		50Ω
VSWR		< 1.5
Polarisation		±45°
Horizontal Beamwidth (-3 dB)		65° ± 6°
Vertical Beamwidth (-3 dB)		15° ± 1.5°
Fixed Electrical Downtilt		0°
Intra/Inter Band Isolation		> 28 dB
Upper Sidelobe Suppression		> 15 dB typical
Upper Sidelobe Suppression (20° Sector above Main Beam)		> 15 dB
Front-to-Back Ratio (@ 180° ± 30°)		> 25 dB
Cross Polar Ratio	Main Direction (0°)	> 15 dB
	Sector Edges (±60°)	> 10 dB
Maximum Average Power Per Port (50° C Ambient Temperature)		200 W
Intermodulation 3rd Order, 2 x 43 dBm Carrier		< -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	
Lightning Protection	DC Ground

MECHANICAL CHARACTERISTICS		PACKAGING
Dimensions (Height x Width x Depth)	1987 x 497 x 127 mm	Carton Box 2.210 x 0.585 x 0.230 m
Antenna Weight (without mounting brackets)	25 kg	
Shroud Material	Fiberglass	
Survival Wind Speed	200 km/h	
MOUNTING KIT OPTIONS		MECHANICAL TILT RANGE
All mounting bracket kits are ordered separately unless otherwise indicated.		
Brackets for pole Ø50 to Ø125 mm (included)	0°-10°	

