

6876208

3-Band | 6-Port | XPOL | Panel Antenna | Variable Tilt | 1480 mm

- Tri band antenna, dual polarisation, 6 connectors
- Independent, continuously adjustable tilt on each band 0-14° / 0-10° / 0-10°
- MET or RET versions available
- 3 Integrated RET Units (field replaceable)

ORDERING OPTIONS	MODEL NUMBER
Manual Electrical Tilt	6876208
Remote Electrical Tilt	6876208G

ACCESS PORT DESCRIPTION (CONNECTORS)			
The antenna has 6 colour-coded connectors located at the bottom face.			
Frequency Designation	R1	Y1	Y2
Frequency Range	790-960 MHz	1710-2690 MHz	1710-2690 MHz
Polarisation	Xpol	Xpol	Xpol
Horizontal Beamwidth	65°	65°	65°
Electrical Downtilt Range	0-14°	0-10°	0-10°
Connector Type	(2x) 7/16-DIN Female	(2x) 7/16-DIN Female	(2x) 7/16-DIN Female

ELECTRICAL CHARACTERISTICS	R1
Frequency Bands	790-960 MHz
Gain	14.0 dBi
Input Impedance	50Ω
VSWR	< 1.45
Polarisation	±45°
Horizontal Beamwidth (-3 dB)	65°
Vertical Beamwidth (-3 dB)	15°
Electrical Downtilt Range	0-14°
Isolation	> 28 dB
First Upper Sidelobe Suppression	15 dB
Front-to-Back Ratio	> 26 dB
Maximum Power	500 W
Intermodulation 3rd Order for (2x43 dBm)	< -107 dBm



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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ELECTRICAL CHARACTERISTICS	Y1
Frequency Bands	1710-2690 MHz
Gain	18.0 dBi
Input Impedance	50Ω
VSWR	< 1.45
Polarisation	±45°
Horizontal Beamwidth (-3 dB)	65°
Vertical Beamwidth (-3 dB)	6.5°
Electrical Downtilt Range	0-10°
Isolation	> 28 dB
First Upper Sidelobe Suppression	15 dB
Front-to-Back Ratio	> 28 dB
Maximum Power	300 W
Intermodulation 3rd Order for (2x43 dBm)	< -107 dBm

ELECTRICAL CHARACTERISTICS	Y2
Frequency Bands	1710-2690 MHz
Gain	18.0 dBi
Input Impedance	50Ω
VSWR	< 1.45
Polarisation	±45°
Horizontal Beamwidth (-3 dB)	65°
Vertical Beamwidth (-3 dB)	6.5°
Electrical Downtilt Range	0-10°
Isolation	> 28 dB
First Upper Sidelobe Suppression	15 dB
Front-to-Back Ratio	> 28 dB
Maximum Power	300 W
Intermodulation 3rd Order for (2x43 dBm)	< -107 dBm

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ENVIRONMENTAL CHARACTERISTICS			
Operating Temperature Range	-40° C to +70° C		
Lightning Protection	Direct Ground		
MECHANICAL CHARACTERISTICS			
Dimensions	Height: 1480 mm Width: 356 mm Depth: 166 mm		
Weight	23 kg (excluding mounting accessory)		
Shroud Material	Fiberglass		
Reflector Material	Aluminum Alloy		
Radiating Element Material	Cu Ag		
Wind Speed	216 km/hr		
MOUNTING KIT OPTIONS	POLE DIAMETER	WEIGHT	MECHANICAL TILT
Mounting & Downtilt Brackets for pole (included)	Ø50 to Ø110 mm	5.5 kg	0-10°