

6170188F0

6170188NF0

Single Band | Panel Antenna | X-Pol | 65° | Fixed Tilt | 200 mm

- Single Band, X-Pol, fixed tilt, panel antenna with 2 connectors
- Ideal for use in out-building distribution of LTE services
- Stable performance with low return loss and high gain

ACCESS PORT DESCRIPTION (CONNECTORS)	
The antenna has 2 colour-coded connectors located at the bottom face.	
Frequency Designation	Y1
Frequency Range	1710-2690 MHz
Polarisation	Xpol
Horizontal Beamwidth	65°
Electrical Downtilt Range	0°
Connector Type	(2x) 7/16 DIN Female (or) 4.3-10 Female



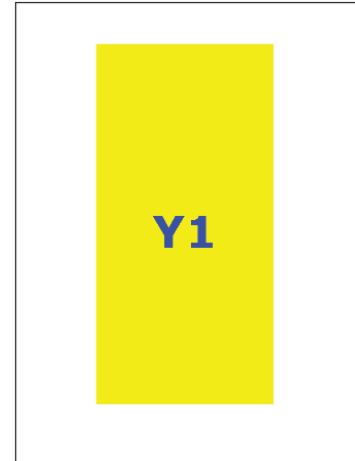
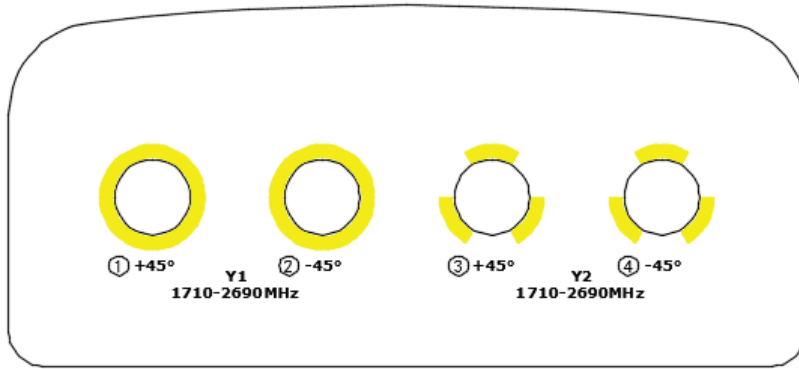
ORDERING OPTIONS	
Antenna with 4.3-10 Female Connectors	6170188NF0
Antenna with 7/16-DIN Female Connectors	6170188F0

ELECTRICAL CHARACTERISTICS		Y1			
		1710-2690 MHz			
Frequency Bands		1710-1880 MHz	1850-1990 MHz	1920-2170 MHz	2300-2690 MHz
Gain		8.0 ± 0.5 dBi	8.2 ± 0.7 dBi	8.3 ± 0.7 dBi	8.5 ± 0.7 dBi
Input Impedance		50Ω			
VSWR		< 1.5			
Polarisation		±45°			
Horizontal Beamwidth (-3 dB)		68.5° ± 8.5°	63.5° ± 7.5°	62.5° ± 6.5°	60.0° ± 5.8°
Vertical Beamwidth (-3 dB)		68.5° ± 6.5°	66.5° ± 7.5°	60.5° ± 6.5°	60.5° ± 5.2°
Electrical Downtilt Range		0°			
Front-to-Back Ratio (@ 180° ± 30°)		> 25 dB			
Passive Intermodulation 3rd Order for 2 x 20W carriers		< -107 dBm			
Cross Polar Ratio	Main Direction (0°)	> 15.2 dB	> 15.5 dB	> 16.8 dB	> 15.2 dB
	Sector Edges (±60°)	> 8.2 dB	> 9.5 dB	> 10.8 dB	> 12.5 dB
Maximum Average Input Power (at 50°C Ambient Temperature)		250 W			
Inter/Intra Band Isolation		> 25 dB			

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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ARRAY LAYOUT	ARRAY	FREQUENCY	CONNECTOR	CONNECTOR TYPE
	Y1	1710-2690	1-2	7/16-DIN Female or 4.3-10 Female

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)		200 mm x 180 mm x 60 mm
Weight (excluding mounting accessory)		1.5 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		UPVC
SHIPPING (8 in 1 Box)	Dimensions	1120 mm x 310 mm x 340 mm
	Weight	15 kg
	Volume	0.11 m ³

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