

## 5176188G

5176188NG

1-Band | 2-Port | XPOL | Panel Antenna | Variable Tilt | 1357 mm

- Single band antenna, dual polarisation, 2 connectors
- Continuously adjustable tilt 0-10°
- RET versions
- Integrated RET Unit

ORDERING OPTIONS	MODEL NUMBER
Antenna with 4.3-10 Connectors	5176188NG
Antenna with 7/16-DIN Connectors	5176188G

ACCESS PORT DESCRIPTION (CONNECTORS)	
This antenna has 2 colour-coded connectors located at the bottom face.	
Frequency Designation	B1
Frequency Range	1710-2170 MHz
Polarisation	Xpol
Horizontal Beamwidth	65°
Electrical Downtilt Range	0-10°
Connector Type	(2x) 4.3-10 Female or 7/16-DIN Female

ELECTRICAL CHARACTERISTICS		B1		
Frequency Bands		1710-2170 MHz		
		1710-1880	1850-1990	1920-2170
Gain	At Mid Tilt	17.2 dBi	17.8 dBi	18.0 dBi
	Over All Tilts	17.2 ± 0.6 dBi	17.8 ± 0.5 dBi	18.0 ± 0.5 dBi
Input Impedance		50Ω		
VSWR		< 1.5		
Polarisation		±45°		
Horizontal Beamwidth (-3 dB)		66° ± 4.8°	63° ± 4.6°	61° ± 4.5°
Vertical Beamwidth (-3 dB)		6.9° ± 0.6°	6.4° ± 0.5°	5.9° ± 0.5°
Electrical Downtilt Range		0-10°		
Cross Polar Isolation		> 30 dB		
Upper Sidelobe Suppression	First Upper Lobe	> 17 dB	> 17 dB	> 17 dB
	Peak to 20°	> 15 dB	> 15 dB	> 15 dB
Front-to-Back Ratio (@ 180° ± 30°)		> 25 dB	> 26 dB	> 26 dB
Cross Polar Discrimination	Main Direction	> 20 dB	> 22 dB	> 22 dB
	Sector Edges	> 12 dB	> 12 dB	> 10 dB
Maximum Power (Per Port)		250 W (at 50°C ambient temperature)		
Intermodulation 3rd (2x43 dBm Carrier)		< -153 dBc		
Grounding		DC Ground		

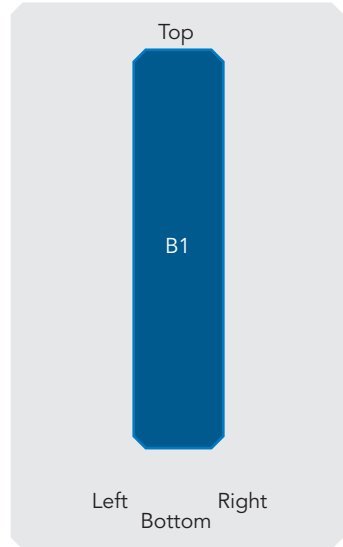
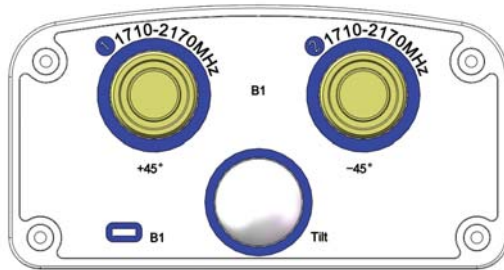


Several patents pending regarding this product. Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

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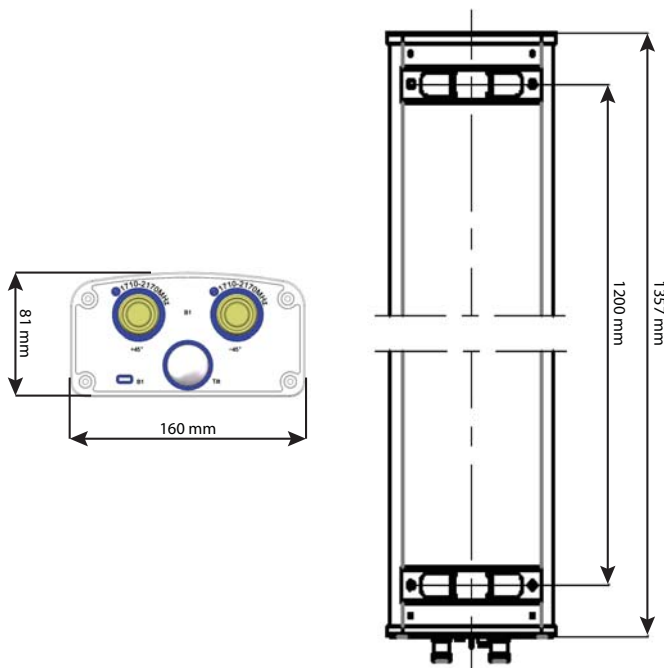


ARRAY LAYOUT	ARRAY	FREQUENCY	CONNECTOR	CONNECTOR TYPE
	B1	1710-2170	1-2	4.3-10 Female or 7/16-DIN Female

Diagram shown at right depicts the view from the front of the antenna. The illustration is not shown to scale.

MECHANICAL CHARACTERISTICS		PACKAGING
Dimensions (Height x Width x Depth)		1357 x 160 x 81 mm (53.4 x 6.3 x 3.2 in)
Weight (excluding mounting accessory)		7.5 kg (16.5 lbs)
Radome Material, Colour		Fiberglass
Connector Type		(2x) 4.3-10 Female or 7/16-DIN Female
Maximum Wind Speed		200 km/h (124.3 mph)
Wind Load at 150 km/h	Front	520 N (116.9 lbf)
	Lateral	630 N (141.6 lbf)
MOUNTING KIT OPTIONS		POLE DIAMETER
All mounting bracket kits are ordered separately unless otherwise indicated.		
Mounting Bracket Kit (Included)		Ø50-Ø125 mm (Ø2.0-Ø4.9 in)
		MECHANICAL TILT RANGE
		0-16°

**Carton Box**  
1.537 x 0.255 x 0.201 m  
(60.5 x 10.0 x 7.9 in)



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