

SENCITY® SC Panel 4-Port Antenna 698-960 / 1695-2690

91121826

Properties

- 4-Port Panel Antenna
- Dual Polarization (X-Pol)
- Half-power Beam Width 65°
- Fixed Electrical Downtilt 2°
- Gain 11 dBi



Electrical data				
	Band 1	Band 2	Band 3	Band 4
Frequency	698 MHz ... 824 MHz	824 MHz ... 894 MHz	880 MHz ... 960 MHz	1695 MHz ... 1880 MHz
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
VSWR	1.5	1.5	1.5	1.55
Gain	10.5 dBi	11 dBi	11 dBi	13.5 dBi
Horizontal beamwidth (3dB)	70 °	68 °	68 °	60 °
Vertical beamwidth (3dB)	40 °	36 °	34 °	17.5 °
Isolation between Ports	30 dB	30 dB	30 dB	30 dB
Front to back ratio	23 dB	25 dB	27 dB	26 dB
Co/Crosspolar Ratio	25 dB	28 dB	28 dB	25 dB
Ambient Temperature	50 °C	50 °C	50 °C	50 °C
Composite Power max	250 W	250 W	250 W	250 W
Passive Intermodulation	-150 dBc 2x 43 dBm Carrier	-150 dBc 2x 43 dBm Carrier	-150 dBc 2x 43 dBm Carrier	-150 dBc 2x 43 dBm Carrier

	Band 5	Band 6	Band 7	Band 8
Frequency	1850 MHz ... 1990 MHz	1920 MHz ... 2180 MHz	2200 MHz ... 2490 MHz	2490 MHz ... 2690 MHz
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
VSWR	1.55	1.55	1.55	1.5
Gain	14 dBi	14 dBi	14 dBi	13.8 dBi
Horizontal beamwidth (3dB)	55 °	55 °	55 °	65 °
Vertical beamwidth (3dB)	16.5 °	15.5 °	14.5 °	12.7 °
Isolation between Ports	30 dB	30 dB	30 dB	30 dB
Front to back ratio	27 dB	27 dB	27 dB	27 dB
Co/Crosspolar Ratio	28 dB	28 dB	28 dB	28 dB
Ambient Temperature	50 °C	50 °C	50 °C	50 °C
Composite Power max	200 W	200 W	200 W	200 W

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	Band 5	Band 6	Band 7	Band 8
Passive Intermodulation	-150 dBc 2x 43 dBm Carrier	-150 dBc 2x 43 dBm Carrier	-150 dBc 2x 43 dBm Carrier	-150 dBc 2x 43 dBm Carrier

Electrical remarks

Remarks	Max. power for the antenna 800W
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Ports

	Port 1	Port 2	Port 3	Port 4
Connector	4.3-10, jack (female)	4.3-10, jack (female)	4.3-10, jack (female)	4.3-10, jack (female)
Connector position	Bottom	Bottom	Bottom	Bottom
Polarization	-45° slant	+45° slant	-45° slant	+45° slant
DC grounded	Yes	Yes	Yes	Yes

Connections

	Port 1	Port 2	Port 3	Port 4
Band 1	✓	✓	✓	
Band 2	✓	✓	✓	
Band 3	✓	✓	✓	
Band 4				✓
Band 5				✓
Band 6				✓
Band 7				✓
Band 8				✓

Mechanical data

Weight	8.5 kg
Dimensions	603 mm x 300 mm x 152 mm (Height x Width x Depth) Windload frontal: 110 N at km/h , Wind speed survival: 200 km/h Packing size (mm): 845x325x193 Connector position: Bottom
Remarks	Scope of Supply: Panel and 2 units of 738546 clamps for 42-115 mm 1.7-4.5 inches diameter Grounding: The metal parts of the antenna including the mounting kit and the inner conductors are DC grounded. All screws and nuts: Stainless steel or hot-dip galvanized steel. Related Products 85010002 Clamp 110-220mm 85010003 Clamp 210-380mm 737978 Downtilt Kit Order separately. For downtilt mounting use the clamps for an appropriate mast diameter together with the downtilt kit.

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Material data		
Radome material		Glass Reinforced Plastic (GRP)
Radome colour		Grey
Back plate/base plate material		Aluminium
Antenna accessories		
Item description	Item number	Product name
737978	84468509	Downtilt Kit

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