

Sencity Special Communication Antenna 91121826

Description

4-Port Panel Antenna
Frequency Range 698-960 / 1695-2690 MHz
Dual Polarization (X-Pol)
Half-power Beam Width 65°
Fixed Electrical Downtilt 2°
Gain 11 dBi



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2	Band 3	Band 4
Frequency (MHz)	698 - 824	824 - 894	880 - 960	1695 - 1880
VSWR	1.5	1.5	1.5	1.55
Impedance (Ohm)	50	50	50	50
Gain (dBi)	10.5	11	11	13.5
3dB beamwidth (h) (°)	70	68	68	60
3dB beamwidth (v) (°)	40	36	34	17.5
Composite power max (W)	250	250	250	250
Ambient temperature (°C)	50	50	50	50
Front to back ratio (dB)	23	25	27	26
Co/Crosspolar ratio (dB)	25	28	28	25
Port Isolation (dB)	30	30	30	30

	Band 5	Band 6	Band 7	Band 8
Frequency (MHz)	1850 - 1990	1920 - 2180	2200 - 2490	2490 - 2690
VSWR	1.55	1.55	1.5	1.5
Impedance (Ohm)	50	50	50	50
Gain (dBi)	14	14	14	13.8
3dB beamwidth (h) (°)	55	55	55	65
3dB beamwidth (v) (°)	16.5	15.5	14.5	12.7
Composite power max (W)	200	200	200	200
Ambient temperature (°C)	50	50	50	50
Front to back ratio (dB)	27	27	27	27
Co/Crosspolar ratio (dB)	28	28	22	28
Port Isolation (dB)	30	30	30	30

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)
Polarization	-45° slant	+45° slant	-45° slant	+45° slant
DC grounded	Yes	Yes	Yes	Yes

Connections

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

General Data

IMD level -150 dBc at carrier power 2x 43dBm

Max. power for the antenna 800W

Mechanical Data

Dimensions (mm) 603 x 300 x 152 (Height x Width x Depth)
Weight (kg) 8.5
Windload frontal: 110 N at km/h , Wind speed survival: 200 km/h

Packing size (mm): 845x325x193

Connector position: Bottom

Scope of Supply:

Panel and 2 units of 738546 clamps for 42-115 mm | 1.7-4.5 inches diameter

Environmental Data

Environmental conditions outdoor
2011/65/EU (RoHS - including compliant
2015/863 and 2017/2102)
WEEE 2012/19/EU no special marking needed
REACH 1907/2006/EC compliant

Grounding:

The metal parts of the antenna including the mounting kit and the inner conductors are DC grounded.

Material:

Radome: fiberglass, light grey

Reflector screen: Aluminum.

All screws and nuts: Stainless steel or hot-dip galvanized steel.

Material Data

Radome colour grey
Radome material Glass Reinforced Plastic (GRP)
Back plate/base plate material Aluminium

Related Products

85010002 Clamp 110-220mm

85010003 Clamp 210-380mm

737978 Downtilt Kit

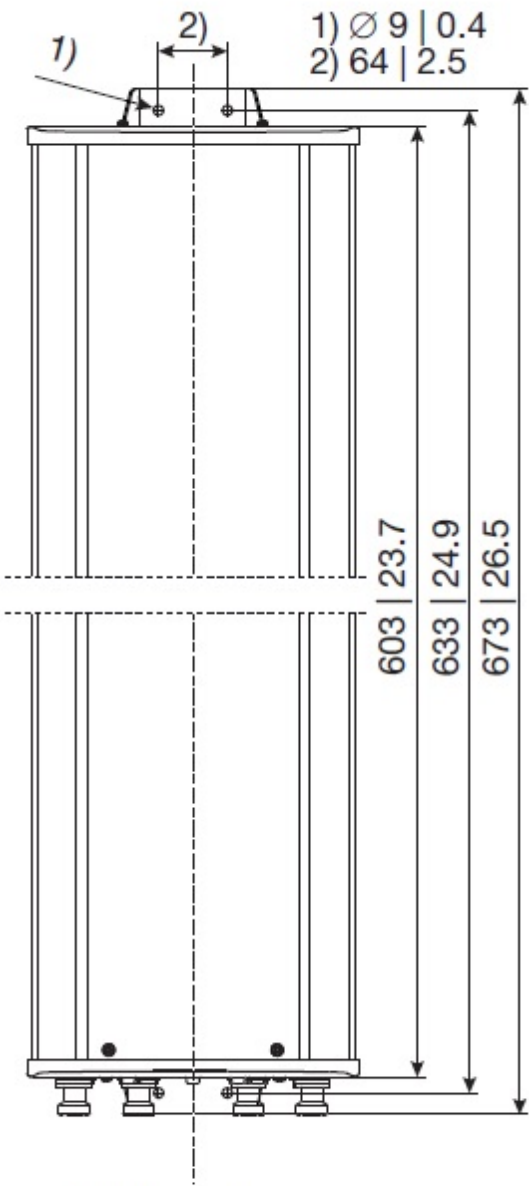
Order separately. For downtilt mounting use the clamps for an appropriate mast diameter together with the downtilt kit.

Related Documents

Security instruction DOC-0000278984

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Additional Information



All dimensions
in mm | inches