

Sencity Special Communication Antenna 91121975

Description

6-Port Panel Antenna
 Frequency Range 698-960 / 1695-2690 MHz
 Dual Polarization (X-Pol)
 Half-power Beam Width 65°
 Adjust. Electrical Downtilt 2°-16° / 2.5°-12°
 Gain 13.5-18.1 dBi



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2	Band 3	Band 4
Frequency (MHz)	698 - 806	790 - 862	824 - 894	880 - 960
VSWR	1.5	1.5	1.5	1.5
Impedance (Ohm)	50	50	50	50
Gain (dBi)	13.5	14	14.2	14.5
3dB beamwidth (h) (°)	72	70	68	67
3dB beamwidth (v) (°)	17.4	16.2	15.7	14.9
Composite power max (W)	400	400	400	400
Ambient temperature (°C)	50	50	50	50
Front to back ratio (dB)	22	24	24	25
Co/Crosspolar ratio (dB)	23	23	24	22
Sidelobes (v)	15	16	16	19
Port Isolation (dB)	30	30	30	30

	Band 5	Band 6	Band 7	Band 8
Frequency (MHz)	1695 - 1880	1850 - 2180	2300 - 2400	2500 - 2690
VSWR	1.5	1.5	1.5	1.5
Impedance (Ohm)	50	50	50	50
Gain (dBi)	17.3	17.5	17.2	17.6
3dB beamwidth (h) (°)	62	61	66	64
3dB beamwidth (v) (°)	6.7	6.3	5.3	4.8
Composite power max (W)	200	200	200	200
Ambient temperature (°C)	50	50	50	50
Front to back ratio (dB)	24	26	24	24
Co/Crosspolar ratio (dB)	16	20	18	15
Sidelobes (v)	17	17	19	15
Port Isolation (dB)	30	30	30	30

Ports

	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6
Connector	7/16, jack (female)	7/16, jack (female)	7/16, jack (female)	7/16, jack (female)	7/16, jack (female)	7/16, jack (female)
Polarization	-45° slant	+45° slant	-45° slant	+45° slant	-45° slant	+45° slant
DC grounded	Yes	Yes	Yes	Yes	Yes	Yes

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Connections

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

General Data

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

Max. power for the antenna 900W

Mechanical Data

Dimensions (mm) 1402 x 377 x 169 (Height x Width x Depth)
Weight (kg) 25
Windload frontal: 450 N at km/h , Wind speed survival: 240 km/h

Packing size (mm): 1602x397x212

Connector position: Bottom

Scope of Supply:

738546 Clamp 42-115mm

FlexRET

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

85010008 Downtilt Kit

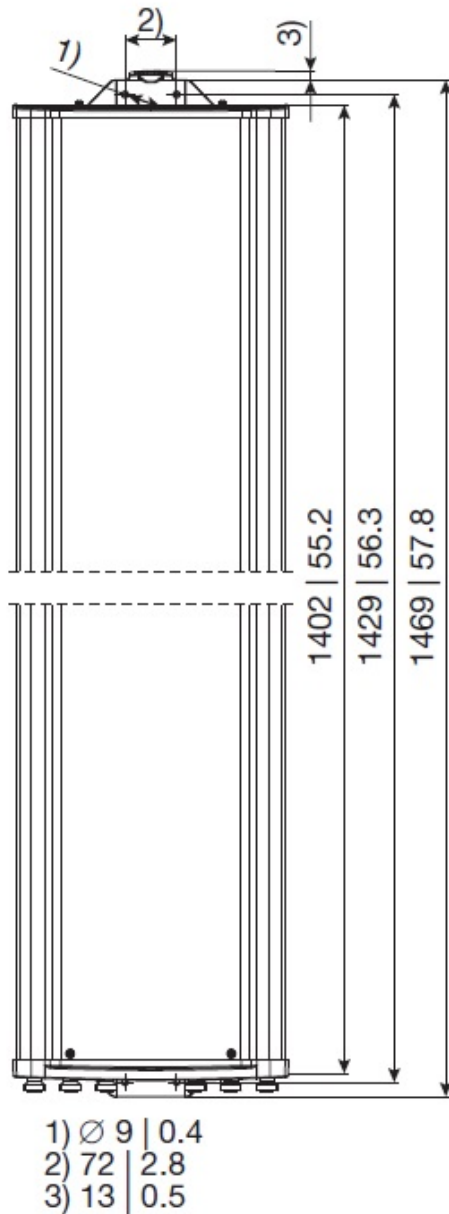
Order separately. For downtilt mounting use the clamps for an appropriate mast diameter together with the downtilt kit.

Related Documents

Security instruction DOC-0000278984

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Additional Information



All dimensions
in mm | inches