

SENCITY® Special Communication Antenna 1399.31.0200

Description

2-Port Panel Antenna
 Frequency Range 698-960MHz
 Dual Polarization (X-Pol)
 Half-power Beam Width 65°
 Adjust. Electrical Downtilt 0°-10°T
 Preset Downtilt to 2°T
 Internal RCU (Remote Control Unit)
 Gain 16dBi
 ETSI 300 019-1-4 class 4.1 E



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2	Band 3	Band 4
Frequency (MHz)	698 - 803	791 - 862	824 - 894	880 - 960
VSWR	1.5	1.5	1.5	1.5
Impedance (Ohm)	50	50	50	50
Gain (dBi)	15.6	15.9	16	16.3
Gain by Beam Tilt (0/5/10)	15.7/15.6/15.3	15.9/15.9/15.7	16.0/16.0/15.9	16.3/16.3/16.2
3dB beamwidth (h) (°)	68	64	62	59
3dB beamwidth (v) (°)	12.4	11.3	10.5	10.0
Front to back ratio (dB)	25	25	25	25
Co/Crosspolar ratio (dB), bores.	20	20	20	19
Vertical electrical tilt (°)	0-10	0-10	0-10	0-10
Sidelobe supression 1st up (vert.)	17	17	17	16
Port isolation	30	30	30	30
Max. effective comb. Power per Port(W)	300	300	300	300
Ambient temperature (°C)	25	25	25	25
Passive Intermodulation, 2x 43dBm Carrier	-150	-150	-150	-150

Ports

	Port 1	Port 2
Connector	4.3-10, jack (female)	4.3-10, jack (female)
Polarization	+/- 45°	+/- 45°
DC grounded	Yes	Yes

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Connections

	Band 1	Band 2	Band 3	Band 4
Port 1	X	X	X	X
Port 2	X	X	X	X

General Data

Values based on NGMN-P-BASTA requirement.

Factory preset of electrical downtilt to 2°T.

Mechanical Data

Dimensions (mm)	1850 x 295 x 145 (Height x Width x Depth)
Packing Size	1960 x 373 x 314 (Height x Width x Depth)
Weight (kg)	12
Windload	frontal: 712 N at 150 km/h, lateral: 350 N at 150 km/h, Wind speed survival: 240 km/h
Connector position	Bottom

Environmental Data

Environmental conditions	outdoor
Temperature (°C)	-55 to 60 (high temp. dry)

Environmental tests	ETS 300 019-2-4
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant
REACH 1907/2006/EC	compliant

Material Data

Radome colour	Grey
Radome material	ASA (UV resistant)
Top/bottom cover material	PC (F1)

Related Products

(Order separately)

738546 Clamp 42-115mm
85010002 Clamp 110-220mm
85010003 Clamp 210-380mm
85010009 Downtilt Kit

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

Related Documents

Mounting instruction	DOC-0000361395
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DOU-01151575
3D-model	DOC-0001151599

Additional Information

Internal RET(AISG 2.0)

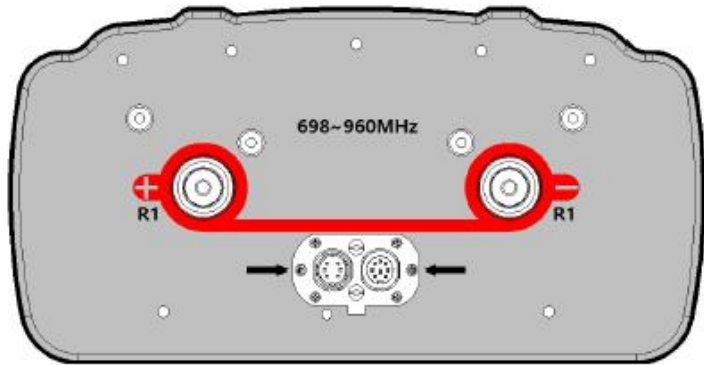
Data Sheet

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HUBER+SUHNER



Configuration Type



Connector Layout