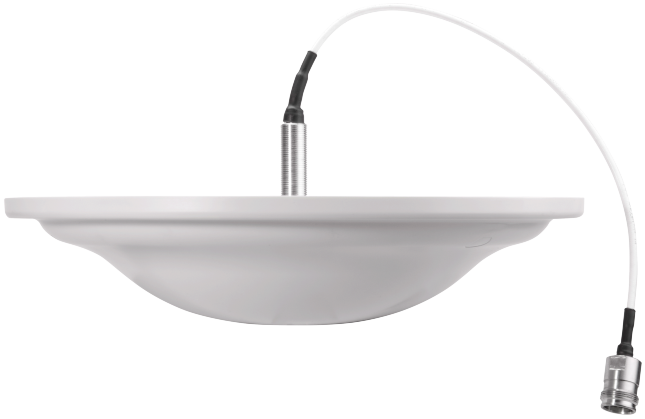
DATA SHEET

SENCITY® Optima Antenna

1399.31.0006

Properties

- High gain omnidirectional antenna for Cellular bands from 690 MHz till 6400 MHz
- Gain of 6 dBi with Vertical polarization in the high bands
- PIM better than -150 dBc at 2x30 dBm
- A nut is included in the package
- Plenum rated cable terminated with 4310 female connector



Electrical bands				
	Band 1	**Band 2**	**Band 3**	**Band 4**
Frequency (MHz)	690 MHz ... 1100 MHz	1100 MHz ... 1710 MHz	1710 MHz ... 2700 MHz	2700 MHz ... 3800 MHz
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
VSWR	2	1.5	1.7	1.6
Gain (dBi)	2 dBi	6 dBi	6 dBi	6 dBi
Ambient Temperature	55 °C			
Composite Power max	50 W			

	Band 5	**Band 6**
Frequency (MHz)	3800 MHz ... 5150 MHz	5150 MHz ... 6400 MHz
Impedance	50 Ω	50 Ω
VSWR	1.8	1.8
Gain (dBi)	7 dBi	8 dBi
Ambient Temperature		
Composite Power max		

Electrical remarks	
Remarks	Gain specification defined without use of ground plane. Plenum rated cable

Ports	
	Port 1
Connector	4.3-10, jack (female)

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Ports	
	Port 1
Cable type	SUCOFORM_141_CU_CMP
Cable length	0.3 m
Polarization	vertical
DC grounded	Yes

Connections	
Port number	Port 1
Band 1	✓
Band 2	✓
Band 3	✓
Band 4	✓
Band 5	✓
Band 6	✓

Mechanical data	
Weight	0.93 kg
Dimensions	69 mm x 321 mm (Heigth x Diamter)

Interface and material data	
Radome material	ABS (Acrylonitrile butadiene styrene)
Radome colour	RAL 9010 (white)
Back plate/base plate material	Aluminium

Environmental data	
Operation temperature	0 °C ... 55 °C
Storage temperature	-40 °C ... 80°C
Transport temperature	-40 °C ... 80°C
Environment (application)	Indoor
Flammability rating	UL 94-V0
Solar radiation	DIN 75220

Additional Information
radiator grounded for remote connectivity surveillance Antenna with pig-tail, 4.3-10 (female)

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Outline drawing