

Sencity Optima Antenna 1399.17.0114

Description

Indoor DAS omni-directional antenna for In-Building Coverage
 Ultra broad band, multi band
 6 dBi gain
 690 MHz up to 6400 MHz
 AMPS, GSM, PCS, CDMA, UMTS, WiFi, WLAN 2.4 and 5.6 GHz, WiMAX, LTE



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2	Band 3	Band 4
Frequency (MHz)	690 - 1100	1100 - 1710	1710 - 2700	2700 - 3800
VSWR	2	1.5	1.7	1.5
Impedance (Ohm)	50	50	50	50
Gain (dBi)	2	6	6	7
Composite power max (W)	100			
Ambient temperature (°C)	55			

	Band 5	Band 6
Frequency (MHz)	3800 - 5150	5150 - 6400
VSWR	1.7	1.5
Impedance (Ohm)	50	50
Gain (dBi)	7.5	8.5

Ports

	Port 1
Connector	N, jack (female)
Polarization	vertical
DC grounded	Yes

General Data

IMD level -145 dBc at carrier power 2x 30dBm

Gain specification defined without use of ground plane.

Mechanical Data

Dimensions (mm) 69 x 321 (Height x Diameter)
 Weight (kg) 1

Environmental Data

Environmental conditions indoor
 Operation temperature (°C) 0 to 55
 Storage temperature (°C) -40 to 80
 Transport temperature (°C) -40 to 80
 Flammability rating UL 94-V0
 2011/65/EU (RoHS - including 2015/863 and 2017/2102) compliant
 WEEE 2012/19/EU special marking needed
 REACH 1907/2006/EC compliant

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Material Data

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

Related Products

9091.99.0096 Mounting Bracket for SencityOptima

9091.99.0233 Ceiling Bracket_SencityOptima

3 plastic screws for false ceiling mounting included in the antenna shipment. Thickness of false ceiling to be < 30 mm.

Related Documents

Mounting instruction	DOC-0000239894
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DOU-00110880

Additional Information

radiator grounded for remote connectivity surveillance