Data Sheet



SENCITY® Optima-L 1399.31.0006

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

Fitted with 0.3 m plenum rated pigtail cable



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	1.6
Impedance (Ohm)	50	50	50	50
Gain (dBi)	2	6	6	6
Composite power max (W) 50			
Ambient temperature (°C	C) 55			

	Band 5	Band 6
Frequency (MHz)	3800 - 5150	5150 - 6400
VSWR	1.8	1.8
Impedance (Ohm)	50	50
Gain (dBi)	7	8

Ports

	Port 1
Connector	4.3-10, jack (female)
Cable Type	SUCOFORM_141_C U_CMP
Cable Length (m)	0.3
Polarization	vertical
DC grounded	Yes

Connections

	Band 1	Band 2	Band 3	Band 4	Band 5	Band 6
Port 1	Х	X	Х	Χ	Χ	X

General Data

IMD level -150 dBc at carrier power 2x 30dBm

Gain specification defined without use of ground plane.

Plenum rated cable

Mechanical Data

Dimensions (mm) 69 x 321 (Height x Diameter) 0.93

Weight (kg)

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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
Solar radiation DIN 75220
2011/65/EU (RoHS - including compliant

2015/863 and 2017/2102)

WEEE 2012/19/EU special marking needed

REACH 1907/2006/EC compliant

Material Data

Radome colour RAL 9010 (white)

Radome material ABS (Acrylonitrile butadiene styrene)

Back plate/base plate material Aluminium

Related Products

9091.99.0233 Ceiling Bracket_SencityOptima Thickness of false ceiling to be < 30 mm.

Related Documents

Mounting instructionDOC-0000682958Painting instructionDOC-0000256180Security instructionDOC-0000278984Outline drawingDOU-00315245

Additional Information

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

HUBER+SUHNER is certified according to ISO 9001, ISO 14001, ISO/TS 16949 and IRIS

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