

## 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)	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	X	X	X	X	X	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)  
Weight (kg) 0.93

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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 2015/863 and 2017/2102)	compliant
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 instruction	DOC-0000682958
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DOU-00315245

### Additional Information

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