

SENCITY® Optima Antenna with pig-tail 1399.17.0144

SWA-0764/360/6/30/V

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

	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	N, jack (female)
Cable Type	SUCOFORM_141_CU_CMP
Cable Length (m)	0.3
Polarization	vertical

Connections

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

General Data

DC Grounding Yes
 IMD level -150 dBc at carrier power 2x 30dBm
 Composite Power max (W) 50

Gain specification defined without use of ground plane.

Plenum rated cable

Mechanical Data

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

Environmental Data

Environmental conditions indoor
 Operation temperature (°C) 0 to 55

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Storage temperature (°C)	-40 to 80
Transport temperature (°C)	-40 to 80
Flammability rating	UL 94-V0
Solar radiation	DIN 75220
RoHS 2011/65/EU	compliant
REACH 2006/1907/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

Additional Information

radiator grounded for remote connectivity surveillance