

SENCITY® SC Omni

92210003

Properties

- Omni-directional Antenna
- Frequency Range 380 - 3800 MHz
- Vertical Polarization
- 3-8.5 dBi Gain
- Small ground plane and excellent coverage



Electrical bands				
	Band 1	Band 2	Band 3	Band 4
Frequency	380 MHz ... 400 MHz	400 MHz ... 450 MHz	450 MHz ... 470 MHz	694 MHz ... 746 MHz
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
VSWR	1.7	1.7	1.7	1.7
Gain	3 dBi	4 dBi	5 dBi	6 dBi
Ambient Temperature	50 °C	50 °C	50 °C	50 °C
Composite Power max	50 W	50 W	50 W	50 W

	Band 5	Band 6	Band 7
Frequency	746 MHz ... 960 MHz	1200 MHz ... 2700 MHz	3300 MHz ... 3800 MHz
Impedance	50 Ω	50 Ω	50 Ω
VSWR	1.7	1.7	1.7
Gain	7 dBi	8 dBi	8.5 dBi
Ambient Temperature	50 °C	50 °C	50 °C
Composite Power max	50 W	50 W	50 W

Electrical remarks

Remarks	IMD level: -150 dBc at carrier power 2x 43dBm VSWR values are typical values. Max. values: 380-410 MHz: 2.8 : 1 410-3800 MHz: 2.2 : 1 Anti-static protection: All metal parts of the antenna as well as the clamps are grounded.
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Ports

	Port 1
Connector	4.3-10, jack (female)



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Ports	
	Port 1
Polarization	vertical
DC grounded	No
Connections	
Port number	Port 1
Band 1	✓
Band 2	✓
Band 3	✓
Band 4	✓
Band 5	✓
Band 6	✓
Band 7	✓
Mechanical data	
Weight	0.5 kg
Dimensions	540 mm x 60 mm (Height x Diameter)
Remarks	Ground plane (mm): 165x165x1.5
	Mounting (pole mount):
	1) The antenna can be attached laterally at the tip of a tubular mast of 50.8 mm 2.0 inches with two U-bolt brackets supplied.
	2) The antenna can be attached laterally at the tip of a tubular mast with a pair of tension bands (please order separately).
	Scope of Supply: U-bolt brackets, Mast diameter 50.8 mm 2 inches
	Mounting kit, screws and nuts: Stainless steel.
Interface and material data	
Radome material	UV protected plastic
Back plate/base plate material	Weather-proof aluminum
Environmental data	
Operation temperature	-40 °C ... 70 °C
Environment (application)	Outdoor
Ingress protection (IP Rating)	Mated / IP65
Flammability rating	UL 94-
Environmental remarks	
Vibration: According to IEC 60721-3-4	
Humidity: ETS 300 019-1-4. EN 302 085 (Annex A. 1.1)	
Salt fog: According to IEC 68-2-11	
Related Products	
734364 Spannband 120-140mm	
734365 Spannband 45-125mm	



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