

SENCITY® Omni-S Cellular SISO Antenna

1399.17.0245

Properties

- Omni - directional Cellular/4G LTE 800 SISO antenna
- Supports LTE 790 to 960 MHz, Cellular 1710 to 2170 and LTE 2300, 2500, 2600 MHz frequency bands
- For both indoor and outdoor mounting with IP rating IP66, IP67 and IP69K
- Single hole mounting or wall/pole mounting
- N female pigtail



Electrical data				
	Band 1	Band 2	Band 3	Band 4
Frequency	790 MHz ... 930 MHz	930 MHz ... 960 MHz	1710 MHz ... 2170 MHz	2300 MHz ... 2690 MHz
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
VSWR	1.8	2.5	1.9	1.6
Gain	2 dBi	2 dBi	6 dBi	4 dBi
Ambient Temperature	25 °C	25 °C	25 °C	25 °C
Composite Power max	60 W	60 W	50 W	40 W

Electrical remarks	
Remarks	GROUND PLANE: Antenna works on metallic as well as on non-metallic ground plane. VSWR is valid for both mounting options; GAIN VALUES: Indicated gain values are valid for non-metallic ground plane. Gain of this antenna on metallic surface is higher for 790 to 960 MHz: 4 dBi (instead of 2 dBi)

Ports	
	Port 1
Connector	N, jack (female)
Cable type	ENVIROFLEX_316_D
Cable length	1 m
Polarization	vertical
DC grounded	No

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Connections	
	Port 1
Band 1	✓
Band 2	✓
Band 3	✓
Band 4	✓

Mechanical data	
Weight	0.3 kg
Dimensions	33.2 mm x 145 mm (Height x Diameter)

Material data	
Radome material	PC (Polycarbonate)
Radome colour	RAL 9010 (white)

Environmental data	
Operation temperature	-55 °C ... 85 °C
Storage temperature	-55 °C ... 85 °C
Transport temperature	-55 °C ... 85 °C
Environment (application)	Indoor/Outdoor
Flammability rating	UL 94-V0

Environmental remarks	
INGRESS PROTECTION: IP 66, IP67 AND IP 69K when mounted on cabinet's flat surface or roof - IP 66 and IP67 when mounted on bracket with sealed cable conduit TEMPERATURE RANGE: EN 60068-2-1 (2007), test Ab, -55°C, 16h and EN-60068-2-2 (2007), test Bb, +85°C, 16h THERMAL SHOCK: IEC 60068-2-14 (2009), test Na, -55°C to +85°C, 3h, 5 cycles SOLAR RADIATION: EN 60068-2-5, test Sa, procedure B, 1200 W/m2, 3 x 24h RELATIVE HUMIDITY: EN 60068-2-78 (2012), test Cb, RH 95%, 21d (damp heat, steady state) RELATIVE HUMIDITY: EN 60068-2-30 (2005), RH 97%, 6 cycles (damp heat, cyclic) SALT SPRAY: EN 60068-2-11 (2002), test Ka, 96h MECHANICAL VIBRATION / SHOCK: IEC 61373 (1999), § 9 and § 10, category 2 VANDALISM: EN 60068-2-75 (1997), IEC 62262 (2002) IK10, test Ehc CORROSION: MIL-F-14072 E type 1 "exposed"	

Additional Information	
This product can be customized alternatively in the following way: - Cable length from 300 to 5000 mm - Choice of RF connector (SMA, R-SMA, QMA, TNC, R-TNC, N) - Customer specific port labeling on pigtailed - Further wireless bands, e.g. dual-band WiFi MIMO or Cellular/LTE SISO with GNSS	

Antenna accessories remarks	
9091.99.0259 Bracket kit for SENCITY® Omni-S MIMO antenna Accessory kit 9091.99.0259 is available via H+S customizing process, no item number as extra deliverable assigned yet.	

Ordering information		
Item description	Item number	Product name
1399.17.0245	85084911	SENCITY® Omni-S Cellular SISO Antenna

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