

HUBER+SUHNER® DATA SHEET

SENCITY® OMNI-S WiFi Antenna: 1356.17.0067

Rev.: W



SOA-5600/360/5/0/V

Description

Omni - directional WiFi antenna
IEEE 802.11 a/h, frequency band: 5.15 to 5.875 GHz
Wireless LAN / Wi-Fi WLAN
In- and outdoor applications - IP 67
Pole / mast and wall mount



Product Configuration

Technical Data

Electrical Data

| | Band 1 |
|------------------------------|-------------|
| Frequency (MHz) | 5150 - 5875 |
| VSWR | 1.7 |
| Gain | 5 dBi |
| 3dB beamwidth (h) (°) | 360 |
| 3dB beamwidth (v) (°) | 25 |
| Vertical electrical tilt (°) | 0 |

General Data

| | |
|----------------------|----------------------------------|
| Nominal impedance | 50 Ω |
| DC grounded | Yes |
| Polarisation | vertical |
| Connector | N, jack (female), bottom |
| Composite power max. | 6 W at ambient temperature 25 °C |

Mechanical Data

| | |
|----------------------------|--|
| Dimensions (mm) | 191 x 17.6 (Height x Diameter) |
| Weight | 0.1 kg |
| Windload | frontal: 7 N, lateral: 7 N at 160 km/h |
| Wind speed | survival: 220km/h, operational: 160 km/h |
| Mast diameter (mm) | 38.1 - 76.2 |
| Included mounting material | Wall and mast mounting bracket |

Included mounting material: Bracket and 2 metal bands for mast diameter 25 to 101 mm

Environmental Data

| | |
|----------------------------|--|
| Environmental conditions | outdoor |
| Operation temperature (°C) | -45 to 70 |
| Storage temperature (°C) | -45 to 70 |
| Transport temperature (°C) | -45 to 70 |
| IP rating | IP 67 |
| Flammability rating | UL 94-HB |
| RoHS 2002/95/EC | compliant |
| Temperature condition low | -55°, IEC 60068-2-1 |
| Temperature condition hig | +71°, IEC 60068-2-2 |
| Temperature cycling | IEC 60068-2-14 1h -45°C to +70° C 3 cycles |
| Salt spray | IEC 60068-2-11 Ka / 500 h |
| Humidity | ETSI EN300-2-4 T4.1E / 144h / 95% |
| Solar radiation | ASTM G53 / 1000 h |
| Mechanical shock | EC 60721-3-4, 4M5 |

HUBER+SUHNER is certified according to ISO 9001 and ISO 14001

WAIVER!

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.

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Vibration IEC 60721-3-4 30 min/axis random 4M5

Material Data

Radome colour RAL 9002 (grey-white)
Radome material PP (Polypropylene)

Related Documents

Mounting instruction DOC-0000456327
Painting instruction DOC-0000256180
Security instruction DOC-0000278984
Outline drawing1 DOU-00129898
3D-model (Step) DOC-0000406118

Additional Information

Mast / wall mounting accessories included

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