Data Sheet



Sencity Special Communication Antenna K863032

Description

Omni-directional Antenna Frequency Range 380-470 MHz Vertical Polarization

4 dBi Gain

Various Radiation Patterns depending on distance from the mast edge and mast diameter



Product Configuration

Technical Data

Electrical Data

| | Band 1 | Band 2 |
|--------------------------|-----------|-----------|
| Frequency (MHz) | 380 - 400 | 400 - 470 |
| VSWR | 1.5 | 1.5 |
| Impedance (Ohm) | 50 | 50 |
| Gain (dBi) | 4 | 4 |
| Composite power max (W) |) 450 | 450 |
| Ambient temperature (°C) | 50 | 50 |

Ports

| | Port 1 |
|--------------|------------------|
| Connector | N, jack (female) |
| Polarization | vertical |
| DC grounded | Yes |

Connections

| | Band 1 | Band 2 |
|--------|--------|--------|
| Port 1 | X | X |

General Data

VSWR:

400 - 470 MHz: < 1.5

380 - 400 MHz: < 1.5 for Distance A = lambda/4 380 - 400 MHz: < 2.0 for Distance A > lambda/4

Mechanical Data

Dimensions (mm) 314 x 100 x 580 (Heigth x Width x Depth)

Weight (kg) 1.6

Windload frontal: 40 N at 150 km/h, Wind speed survival: 200 km/h

Packing size (mm): 880x330x100

Environmental Data

Environmental conditions outdoor 2011/65/EU (RoHS - including compliant 2015/863 and 2017/2102)

WEEE 2012/19/EU no special marking needed

REACH 1907/2006/EC compliant

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Material:

Radiator: Hot-dip galvanized steel. Horizontal support pipe: Stainless steel.

Mount: Aluminum.

Tightening band and all screws and nuts: Stainless steel.

Feedpoint radome: Fiberglass.

Attachment:

To tubular masts of 60-320 mm diameter using supplied stainless steel tightening band (20 mm wide, 0.8 mm gauge)

Special features:

The distance from tubular mast to radiator is adjustable from 170-580 mm.

Grounding:

All metal parts of the antenna including the inner conductor and the supplied mount are DC grounded.

Radiation Pattern:

The radiation pattern are shown dependent on mast diameter and distance to the mast. According values given in pattern files.

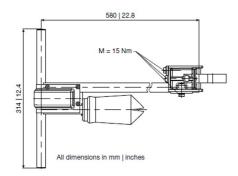
Material Data

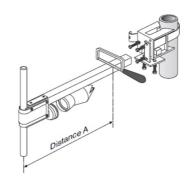
Radome colour grey
Back plate/base plate colour grey
Back plate/base plate material Aluminium

Related Documents

Mounting instructionDOC-0000866083Security instructionDOC-0000278984Outline drawingDOU-00397158

Additional Information





HUBER+SUHNER is certified according to ISO 9001, ISO 14001, AS/EN9100, ISO/TS 16949 and IRIS.

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Waiver: Fact and figures herein are for information only and do not represent any warranty of any kind.