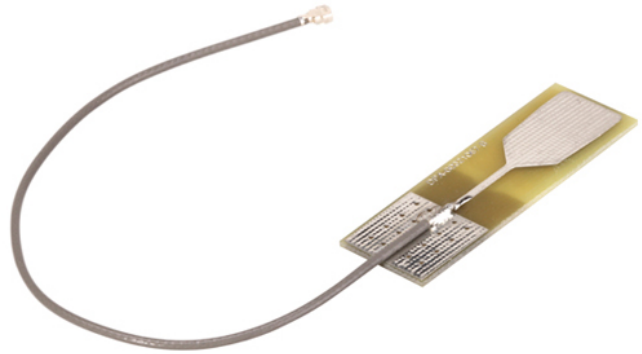# Data Sheet

HUBER+SUHNER

SENCITY Embedded WiFi antenna
1399.99.0145

Description

SENCITY® Embedded WiFi WLAN dual-band antenna
Linear vertical polarized omni-directional PCB antenna
Wireless bands 2.4 to 2.5 and 4.9 to 6 GHz
Support of LTE 2600 bands in addition
Working w/o any extra ground plane
Gain 2 / 4 dBi

Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2	Band 3
Frequency (MHz)	2400 - 2500	2500 - 2700	4900 - 6000
VSWR	2	2	2
Impedance (Ohm)	50	50	50
Gain (dBi)	2	2	4
3dB beamwidth (h) (°)	360	360	360
Composite power max (W)	2		
Ambient temperature (°C)	25		

Ports

	Port 1
Connector	U.FL
Polarization	vertical
DC grounded	No

Connections

	Band 1	Band 2	Band 3
Port 1	X	X	X

General Data

Antenna includes cable pigtail, terminated by a right angle connector U.FL (I-PEX), see also outline drawing.

On the back of the antenna PCB, an adhesive tape (3M) is attached for fixation onto non-metallic hosing or radome cover.

NOTICE:
Electrical data stipulated on this data sheet are valid for an antenna installation scenario according to the application note shown on our mounting instruction DOC-0000757528. See at products section of HUBER+SUHNER web page or following link: www.hubersuhner.com/ProdDat/85077742.

Mechanical Data

Dimensions (mm)	44 x 15 x 1 (Heigth x Width x Depth)
Weight (kg)	0.003

Environmental Data

Environmental conditions	indoor
Operation temperature (°C)	-40 to 70
Storage temperature (°C)	-40 to 70

Data Sheet

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2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant
Lead-free soldered	yes
WEEE 2012/19/EU	special marking needed
REACH 1907/2006/EC	compliant

Related Documents

Mounting instruction	DOC-0000757528
Security instruction	DOC-0000278984
Outline drawing	DOU-00318280
3D-model	DOC-0000756506

Additional Information

The SENCITY Embedded antennas are packed into ESD-protected plastic bags

www.hubersuhner.com

Mouser Electronics

Authorized Distributor

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