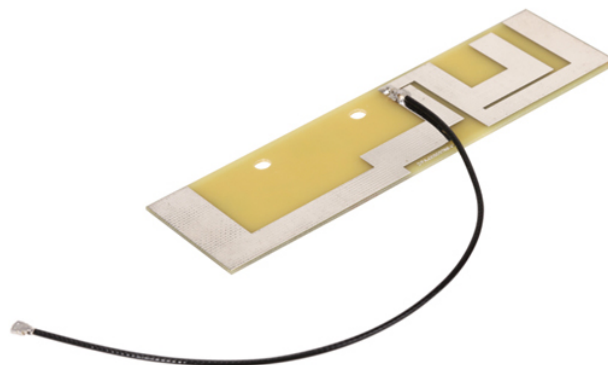


SENCITY Embedded Cellular / LTE antenna 1399.99.0140

Description

SENCITY® Embedded Cellular / LTE multi-band antenna
Linear vertical polarized omni-directional PCB antenna
Cellular / LTE (EUR) bands 790 to 960 Mhz and 1710 to 2700 MHz
Working w/o any extra ground plane
Gain 1 to 4 dBi



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2	Band 3	Band 4
Frequency (MHz)	790 - 960	1710 - 1880	1880 - 2170	2170 - 2690
VSWR	2.2	2.5	2.5	2.2
Impedance (Ohm)	50	50	50	50
Gain (dBi)	2.5	2	1	4
3dB beamwidth (h) (°)	360	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	Band 4
Port 1	X	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 housing 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-0000757006. See at products section of HUBER+SUHNER web page or following link:
www.hubersuhner.com/ProdDat/85071797.

Mechanical Data

Dimensions (mm) 98 x 29 x 0.9 (Height x Width x Depth)
Weight (kg) 0.005

Environmental Data

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

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

compliant
yes
special marking needed
compliant

Related Documents

Mounting instruction	DOC-0000757006
Security instruction	DOC-0000278984
Outline drawing	DOU-00310481
3D-model	DOC-0000730691

Additional Information

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