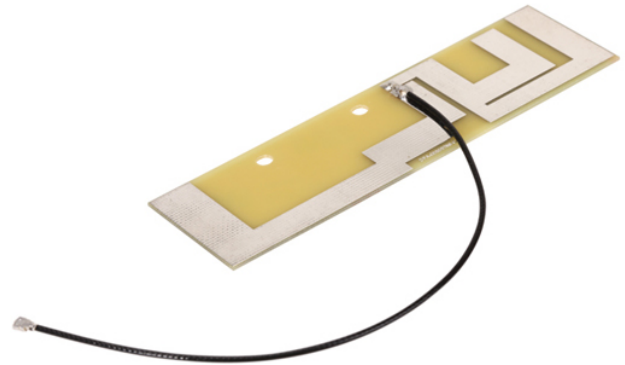


## SENCITY Embedded Cellular / LTE antenna 1399.99.0140

### 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](http://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      |

## SENCITY Embedded Cellular / LTE antenna 1399.99.0140

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

# Mouser Electronics

Authorized Distributor

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1399.99.0140