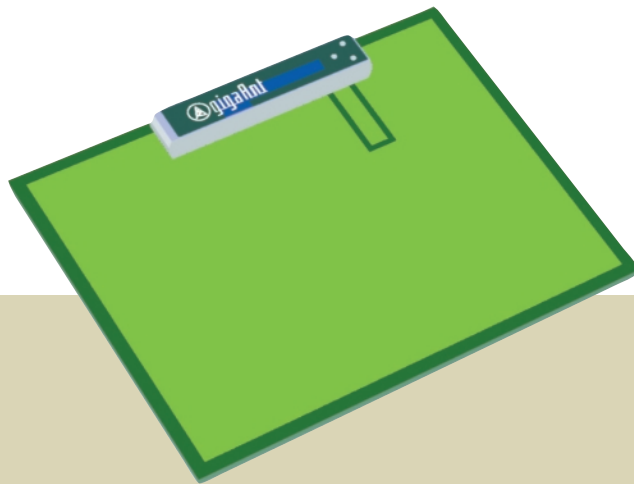


2.4/5 GHz Mica Dual Band SMD Antenna

Embedded antenna for soldering on PCB



Size: 20.5x3.35x3.6 mm

This surface-mounted antenna is intended for use with all wireless applications where small size and high performance are key factors. The antenna requires a ground plane, i.e. your device acts as an active part of the antenna and thus demands careful consideration concerning its placement. To obtain a secure and reliable implementation we strongly recommend customers to take advantage of our advanced measuring equipment, custom tuning and technical support.

The Mica Dual Band antenna is suitable for Bluetooth™, Wireless LANs, Home RF and ISM products within the following frequency ranges:
2.4-2.5 GHz and 5.15-5.35 GHz.

Typical application areas are:

- Mobile phones
- PDAs
- Headsets
- Laptop PCs
- Peripheral equipment
- PC cards

Description

The antenna consists of a carrier with an etched antenna pattern. The pattern is as standard designed for 2.4/5 GHz dual band. Customised design of pattern can be arranged on request. The antenna is soldered on the PCB. Matching network is needed.

Antenna Specification

Nominal impedance:	50 Ohm
Mounting:	SMT
Operating temperatur:	-40 °C – 85 °C
Weight:	0.4 g

Technical data*

2.4-2.5 GHz

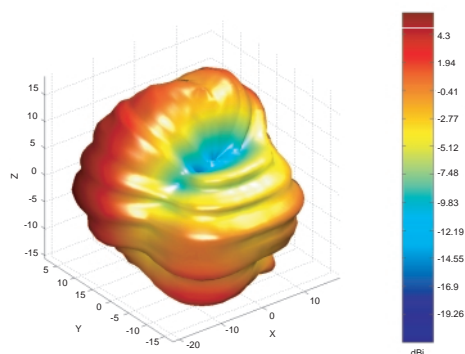
5.15-5.35

Efficiency:	>60 %	>30%
Gain:	1.8 dBi	0 dBi
VSWR:	<2:1	<2.5:1

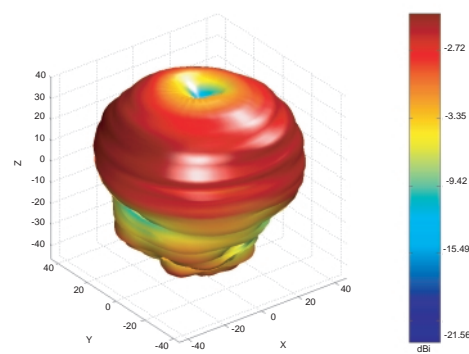
* Typical values

Typical 3D Radiation patterns

2.45 GHz

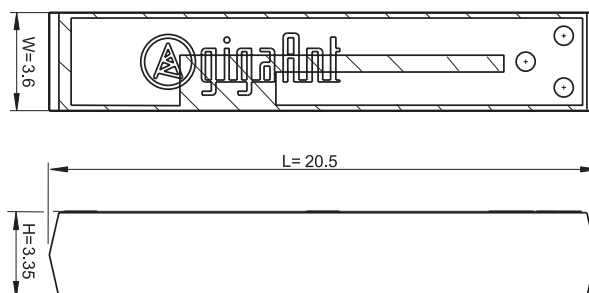
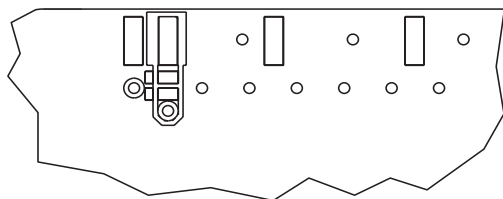


5.25GHz



Dimensions (mm)

Mounting interface



Product name

Mica Dual Band 2.4/5 GHz

Article No.

3030A5854-01

Packaging

Tape On Reel