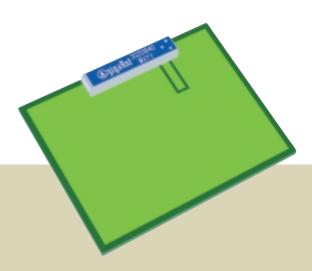


# 2.4 GHz Mica SMD Antenna

Miniature, low-weight unit for automatic assembly



Size:20.5x3.35x3.6 mm

This surface-mounted, high-performance miniature antenna is intended for use with all 2.4 GHz applications; where small size and low weight 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. For optimal performance, we strongly recommend those customers not very well acquainted with RF technology to use our know-how when it comes to implementing the antenna in your application. We can offer advanced measuring equipment, custom tuning and technical support to obtain a secure and reliable implementation.

It is important to note that, upon request, the Mica antenna can be customized according to your design.

Typical application areas are:

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

#### Description

The Mica antenna is an integrated low-weight antenna, only 20.5x3.35x3.6 mm in size. It is designed for automatic assembly (DFA). Matching network is needed.

## Antenna Specification

Frequency: 2.4-2.5 GHz

Type: Ground plane dependent

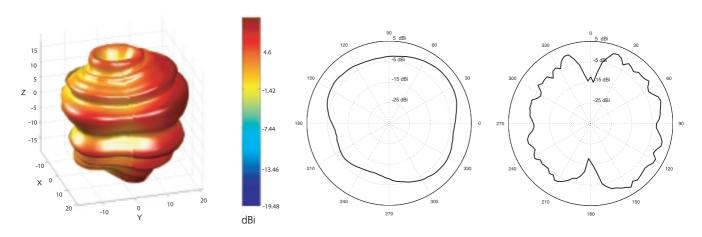
> 50%\* Efficiency: 2.5 dBi\* Gain: Nominal impedance: 50 Ohm <2.0:1\* VSWR: Mounting: **SMD** 

-40 °C - +85 °C Operating temperatur: 93% at +40 °C Relative humidity:

Weight: 0.4g

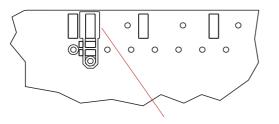
### 3D Radiation pattern

### Horizontal cut, xy-plane Vertical cut, xz-plane



# Dimensions (mm)

### Mounting interface



Detailed foot print see application note



### Product name / Article No.

Mica	30201840 9
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### **Packaging**

Tape on reel / Bulk Tape on reel / 500 Pcs Tape on reel / 2000 Pcs

<sup>\*</sup> Typical values