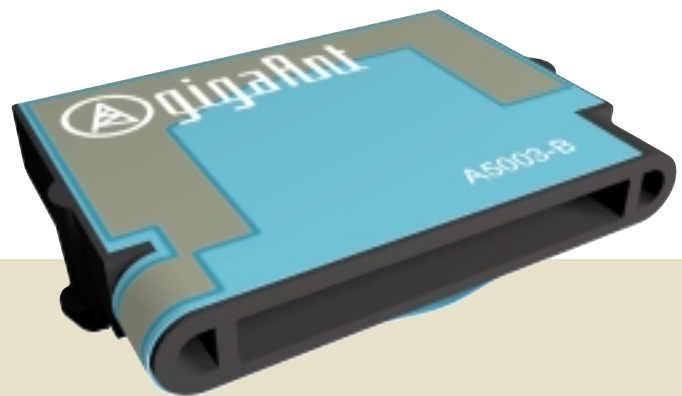


Bluetooth™ Crispus Snap-In Antenna

Flexible low-profile design for rapid assembly on PCBs



Size: 20x30x4 mm

This is one of our standard Snap-In Antennas intended for use with all 2.4 GHz applications where very high performance is combined with low profile snap-in assembly directly on the printed circuit board. This half-wave antenna is independent of ground plane to ensure stable performance.

The environment around the antenna will influence the antenna impedance. In order to ensure 50 ohm impedance it is necessary to match the antenna with external components for each particular application.

It is important to note that, upon request, this standard concept can be customized according to your design.

Typical application areas are:

- Laptop PCs
- Desktop PCs
- Printers
- Instruments
- Network access points

Description

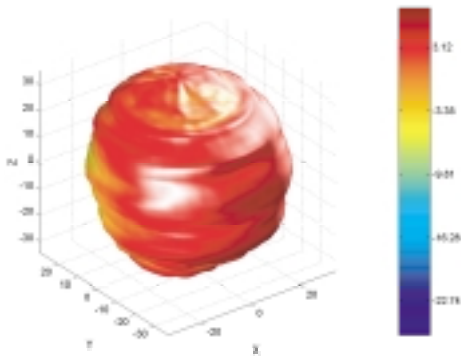
The Bluetooth Snap-In Antenna is a half-wave ($\frac{\lambda}{2}$) antenna of compact design intended for automated assembly (DFA) directly on the PCB without soldering.

The antenna easily snaps into place on PCBs.

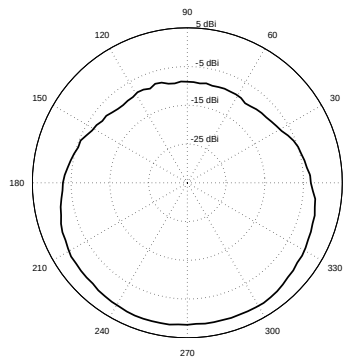
Antenna specification

Frequency:	2.4-2.5 GHz
Efficiency:	73%
Gain:	3 dBi
Nominal impedance:	50 Ω with matching network
VSWR:	<1.8:1
Connector:	Spring connector
Mounting:	PCB
Operating temperature:	-40 °C – +85 °C
Relative humidity:	93% at +40 °C
Weight:	1.5 g

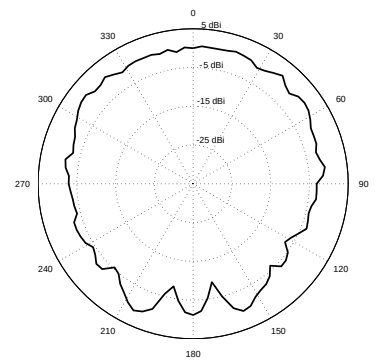
3D Radiation pattern



Horizontal cut, xy-plane



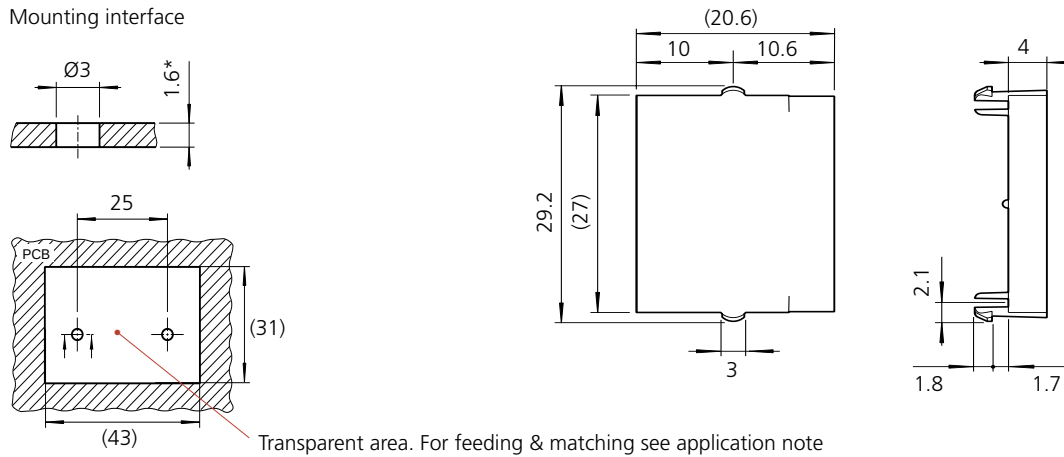
Vertical cut, xz-plane



Dimensions

(mm) *other dimensions upon request

Mounting interface



Article No.

6070019

Your strategic partner for antenna technology in the 2.4 GHz frequency band.