

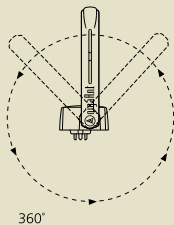
Bluetooth™ Swivel Antenna PCB

Bluetooth™ Swivel Antenna SMA

Omnidirectional for optimal radiation performance



Length: 50 mm



This is our standard Swivel Antenna intended for use with all 2.4 GHz applications where very high performance is of utmost importance and a small footprint is of lesser consideration. Since this is a half-wave antenna, it is independent of ground plane and the design minimizes special considerations for its placement.

Typical application areas are:

- Desktop PCs
- Printers
- Instruments
- Network access points
- Development prototypes

Description

The Bluetooth Swivel Antenna is a half-wave ($\frac{\lambda}{2}$) antenna for external or internal mounting.

Two designs are available:

- provided with a standard SMA connector.
- soldered directly on the PCB allowing the radiator to be placed outside the casing.

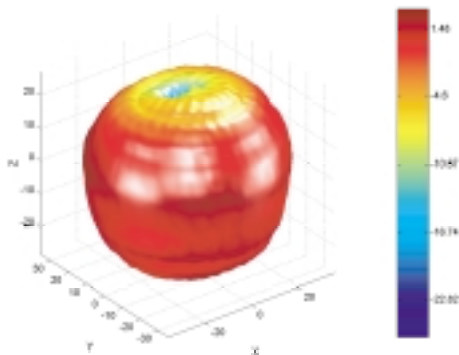
No external matching network is required.

The adjustable radiator is made of a flexible material and can be rotated 360 degrees in order to optimize radiation performance.

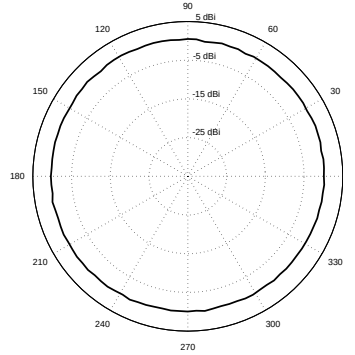
Antenna specification

Frequency:	2.4-2.5 GHz
Efficiency:	75%
Gain:	1.6 dBi
Nominal impedance:	50Ω
VSWR:	<1.5:1
Connector:	SMA Male/Soldered directly on PCB
Mounting:	Case or PCB
Operating temperature:	-25 °C – +70 °C
Relative humidity:	95% at 30 °C
Weight:	SMA 7.4 g, PCB 5.0 g

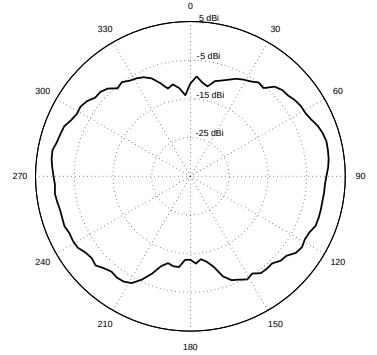
3D Radiation pattern



Horizontal cut, xy-plane

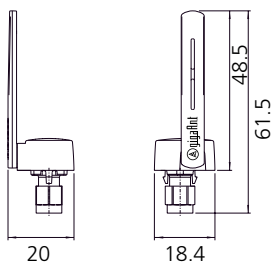


Vertical cut, xz-plane



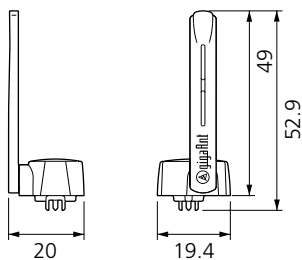
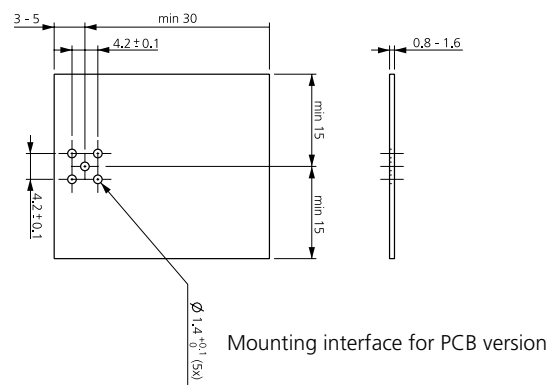
Dimensions SMA version

(mm)



Dimensions PCB version

(mm)



Mounting interface for PCB version

Article No.

SMA Swivel 6069019, PCB Swivel 6076019

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