

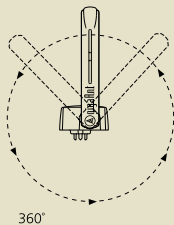
Bluetooth™ Swivel Antenna PCB

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.

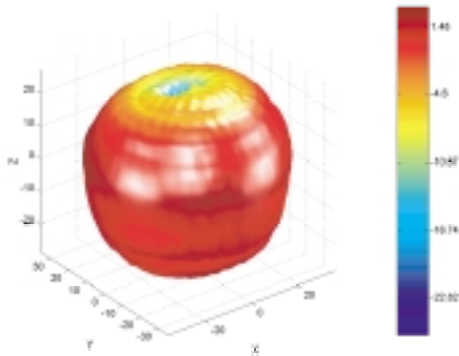
No external matching network is required.

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

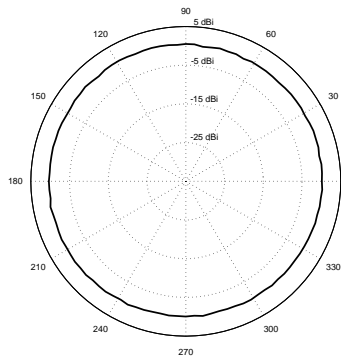
Antenna specification

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

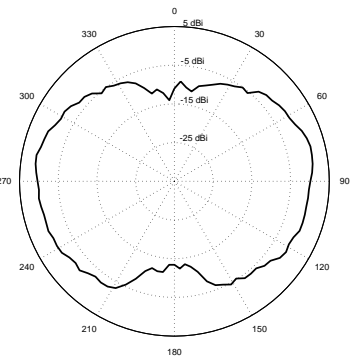
3D Radiation pattern



Horizontal cut, xy-plane

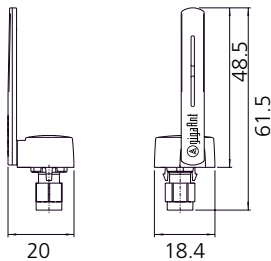


Vertical cut, xz-plane



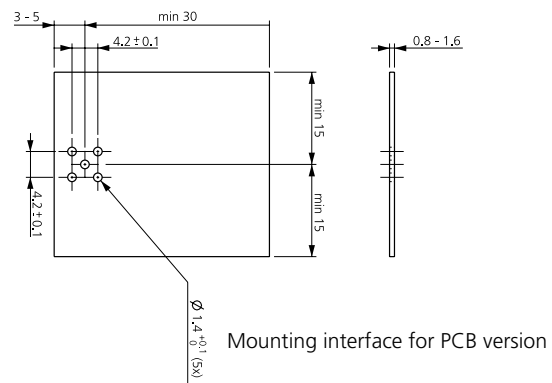
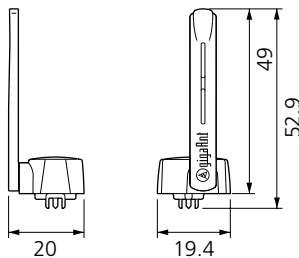
Dimensions SMA version

(mm)



Dimensions PCB version

(mm)



Article No.

SMA Swivel 6069019, PCB Swivel 6076019



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