

General Description

The 2.4GHz PCB antenna is based on an efficiently tuned PCB element that is matched and embedded to work with a wide variety of RF modules operating on the 2.4GHz ISM band frequency.

Popular in Bluetooth, Zigbee and WLAN embedded applications, the antenna allows users a longer working range than a standard on board chip antenna which is offered on many modules. Connected via an Ipex (UFL compatible) connector and 100mm cable the antenna PCB measures just 45 x 10mm ensuring a compact design which can be discretely fitted in many of today's products where space is at a premium.



<u>Features</u>	<u>Benefits</u>
Compact Size	45 x 10mm allows easy integration into small devices
2.4 – 2.5GHz Operation	Specifically tuned to provide optimal performance for 2.4 GHz ISM equipment

Key Specifications – Mechanical

Dimensions: 45mm x 10mm x 1mm (without cable)
Cable: 100mm 1.13mm coax
Connector: Ipex (UFL compatible)

Key Specifications – Electrical

Operating Temperature Range: -20 to +65°C
Operating Frequency: 2.4 – 2.5GHz
Gain: 2.6dBi
Radiating element + wave: ¼ wave dipole
Polarisation: Vertical
Impedance: 50 Ohms
VSWR: <1.6:1
Voltage and supply current: Passive