

4G LTE multiband Internal PCB Antenna

Part No:AC-Q6027N11214G

1. Introduction

This is a LTE Internal PCB antenna based on multi-band, groundplane independent design optimised for 2G, 3G, and 4G/LTE frequencies.

With compact dimensions of 110x14mm (length by width) and thickness of 2mm, it is typically used internally in a communications product such as an access device, router or fixed or mobile terminal.

Supporting worldwide 4G/LTE frequency bands including 700 MHz for North America and 800/2600 MHz for Europe, it is a versatile solution for wireless products.

Typical applications include:Autonomous/UAVs - Smart Metering - Connected Health Wearable Technologies - Payment Terminals

Direct mount, 'on-board' antennas save on labor, cable and connector costs, lead to higher integration yield rates and reduce losses in transmission.



2. Specification

Electrical

Frequency Range	600-960/1710-2700MHz
Gain	3dBi
V.S.W.R	≤2.5
Polarization	Vertical
Maximum Input Power	50W
Impedance	50Ω
Connector	IPEX
Cable Type	1.13
Cable Length	10cm
Antenna Radome Material	PCB

Mechanical

Dimensions	112x14x2mm
Weight	3g
Operating Temperature	-40°C to+70°C
RoHS Compliant	YES