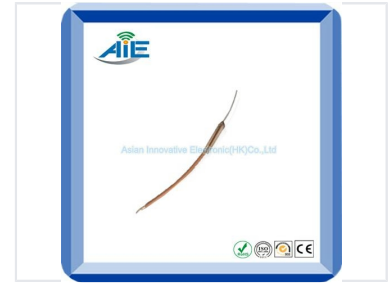


# 2.4GHz 3dBi PCB Antenna with IPEX Connector

This is a high gain, high sensitivity omnidirectional built-in antenna. It features an IPEX/MCX interface.



## Overview

### Compact 2.4GHz Embedded Antenna

This high-performance PCB antenna is engineered for the 2.4GHz frequency band, providing reliable connectivity for embedded wireless applications. With its compact 50x4mm form factor and lightweight design, it is an ideal solution for space-constrained IoT devices, wireless sensors, and compact modules. The integrated IPEX/U.FL connector ensures seamless, plug-and-play installation for a variety of electronic projects.

## Performance Metrics

### Performance Specifications

**2483 MHz**

Max Frequency

**2.15 dBi**

Gain

**50 W**

Input Power

## Technical Details

### Electrical Characteristics

Parameter	Value
Bandwidth	83MHz
V.S.W.R	d2.0
Impedance	50Ω
Polarization	Vertical or Horizontal

### Compliance Badges

RoHS • CE • ISO

## Physical Properties

### Physical Specifications

- Dimensions: 50 x 4 mm
- Weight: 0.1 g
- Cable Length: 10 cm
- Cable Type: 1.13
- Connector: IPEX/U.FL

## Environmental Requirements

Operating Temperature Range

-40°C to +70°C