

Miniature Ceiling Mount Dual Band Antenna



The miniature ceiling mount omnidirectional antenna (MCM124583 series) provides high performance wideband coverage of 2.4 GHz and 5 GHz Wi-Fi bands without tuning. It is designed for minimum visibility in ceiling mount in-building installations. The antenna's housing is only 2 mm thick, 42 mm tall, and 31 mm wide. This tiny footprint provides minimum visibility on a ceiling tile installation.

Features

- Miniature design is virtually invisible for indoor installations with strict aesthetic requirements
- Made of materials that are compliant with RoHS standard
- Dual-band 2.5/5 GHz Wi-Fi frequencies
- Simple screw mount installation
- Excellent gain performance with a low VSWR

Technical Data

Maximum Power: 10 watts
Polarization: Vertical, linear
VSWR: < 2.0:1
Nominal Impedance: 50 ohms
Connector: RP SMA Male/SMA Female
Mounting Method: Holes are provided for mounting to a flat ceiling with plastic screws (included)

RF/Electrical Specifications

Model	Frequency Range	Gain	E-plane Beamwidth	H-plane Beamwidth
MCM124583FSMA	2.3-6.0 GHz	3.5 dBi	70°	360°
MCM124583RPSMA	2.3-6.0 GHz	3.5 dBi	70°	360°

Mechanical Specifications

Model	Dimension	Weight	Temperature
MCM124583FSMA	46 x 31 x 2 mm	0.2 oz (0.005 kg)	-40°C to +80°C
MCM124583RPSMA	46 x 31 x 2 mm	0.2 oz (0.005 kg)	-40°C to +80°C

