

Antenna Info

2.4GHz Surface Mount Device (SMD) On Ground Antenna, 50 Ohms

Manufacturer: Molex

Part Number: 47948-0001

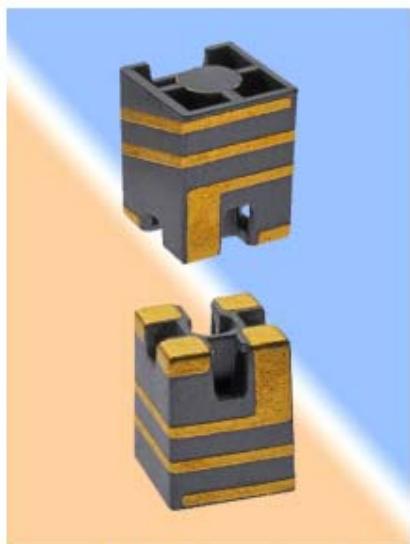
Peak Gain (dBi): 3.0

Description: Monopole

Dimension: 3.00mm by 3.00mm by 4.00 mm

5.1 ELECTRICAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
5.1.1	Frequency Range	Measure antenna on recommended PCB through VNA E5071C	2400MHz-2483.5MHz
5.1.2	Return Loss	Measure antenna on recommended PCB through VNA E5071C	< -9 dB
5.1.3	Peak Gain	Measure antenna on recommended PCB through OTA chamber	3.0dBi
5.1.4	Avg. Total Efficiency	Measure antenna on recommended PCB through OTA chamber	>70%
5.1.5	Polarization	Measure antenna through the OTA chamber	Liner
5.1.6	Input Impedance	Measure antenna on recommended PCB through VNA E5071C	50Ohms



*Smallest On-ground Molded
Interconnect Device (MID) Antenna*

Compliance with FCC 15.203: The antenna is permanently attached to the internal printed circuit board by soldering and cannot be replaced by the end user.