

## PCTEL DIV2458 2X2 MIMO Dual Band WiFi Stud Antenna

Product Code

DIV2458PTRAMMCX

Polarisation

2x2 MIMO

Design Type

Combination Planar

Application Category

IoT/M2M

RF Category

WiFi



PCTEL's DIV2458PTRAMMCX is a dual-band two port Wi-Fi MIMO omnidirectional antenna, ideal for fixed mount applications. The product was designed for optimal pattern and port-to-port isolation performance to maximize data throughput in MIMO or diversity applications.

- Dual band 2.4 and 5 GHz WiFi
- 2X2 MIMO on both WiFi bands
- Ground plane independent design
- IP67 ingress protection rating
- Two 178 mm RG-316 cables with Right Angle MMCX Male connectors

### ▼ Antenna Technical Data

#### Physical Characteristics

Construction Material	ASA Plastic	RF Connections	2
Radome Colour	Other - Black	Environmental Rating	IP67
Dimensions	101.6 x 140.2 x 44.2 mm (H x W x D)	Operating Temperature	-40 °C to 85 °C
Weight	No Data	Mounting	Stud, 5/8" diameter through hole

### ▼ WiFi MIMO-1 Element

#### Electrical Specifications

Input Impedance 50 Ω

Polarisation Vertical (V)

#### Mechanical Specifications

Input Connector MMCX

Input Connector Gender Male

**Electrical Specifications****Mechanical Specifications**

Max. Input Power	20 W	Cable Series	RG-316
PIM, 3rd Order	-	Cable Length	178 mm

## ▼ Range: 2400 to 2500 MHz

Peak Gain	2.00 dBi	Azimuth Beamwidth	360°
VSWR	1.4:1	Elevation Beamwidth	50°
Radiation Efficiency	No Data	Electrical Tilt	0°
Front-to-Back Ratio	-	Inter-Port Isolation	-
Cross-Polar Discrimination	-	Cross-Polar Isolation	-

## ▼ Range: 4900 to 5900 MHz

Peak Gain	4.00 dBi	Azimuth Beamwidth	360°
VSWR	1.8:1	Elevation Beamwidth	35°
Radiation Efficiency	No Data	Electrical Tilt	0°
Front-to-Back Ratio	-	Inter-Port Isolation	-
Cross-Polar Discrimination	-	Cross-Polar Isolation	-

## ▼ WiFi MIMO-2 Element

**Electrical Specifications****Mechanical Specifications**

Input Impedance	50 Ω	Input Connector	MMCX
Polarisation	Vertical (V)	Input Connector Gender	Male
Max. Input Power	20 W	Cable Series	RG-316
PIM, 3rd Order	-	Cable Length	178 mm

## ▼ Range: 2400 to 2500 MHz

Peak Gain	2.00 dBi	Azimuth Beamwidth	360°
VSWR	1.4:1	Elevation Beamwidth	50°
Radiation Efficiency	No Data	Electrical Tilt	0°

Front-to-Back Ratio	-	Inter-Port Isolation	-
Cross-Polar Discrimination	-	Cross-Polar Isolation	-

▼ Range: 4900 to 5900 MHz

Peak Gain	4.00 dBi	Azimuth Beamwidth	360°
VSWR	1.8:1	Elevation Beamwidth	35°
Radiation Efficiency	No Data	Electrical Tilt	0°
Front-to-Back Ratio	-	Inter-Port Isolation	-
Cross-Polar Discrimination	-	Cross-Polar Isolation	-

Document Generated on August 2, 2021 00:25

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