

## PCTEL PCTHDLTE-SF-MM Wideband 2X2 MIMO 4G Magnetic Antenna

Product Code  
PCTHDLTE-SF-MM

Polarisation  
2x2 MIMO

Design Type  
Combination Planar

Application Category  
IoT/M2M

RF Category  
Cellular



PCTEL's dual LTE and WiFi MIMO antenna provides 2X2 MIMO 4G LTE coverage in a single low-profile housing with a high performance magnetic mount.

Anti-skid liner installed at contact surface to ensure a high friction and mar-free magnetic mount. IP67 compliant design provides maximum protection against water or dust ingress

- No tune, multi-band coverage, 2X2 MIMO 4G LTE
- Magnetically mounted using heavy-duty internal rare earth magnets
- Rubber pad on the bottom of the antenna protects surface
- IP67 ingress protection rating
- UV-resistant black or white housing options

### ▼ Antenna Technical Data

#### Physical Characteristics

Construction Material	ABS Plastic Polycarbonate (PC)	RF Connections	2
Radome Colour	Other - White	Environmental Rating	IP67
Dimensions	132 x 94 mm (L x ø)	Operating Temperature	-40 °C to 85 °C
Weight	No Data	Mounting	Magnetic

### ▼ Cellular MIMO-1 Element

#### Electrical Specifications

Input Impedance 50 Ω

#### Mechanical Specifications

Input Connector SMA

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

Polarisation	Vertical (V)	Input Connector Gender	Male
Max. Input Power	50 W	Cable Series	LMR-195
PIM, 3rd Order	-	Cable Length	5180 mm

**▼ Range: 698 to 960 MHz**

Peak Gain	2.50 dBi	Azimuth Beamwidth	360°
VSWR	2.0:1	Elevation Beamwidth	No Data
Radiation Efficiency	No Data	Electrical Tilt	0°
Front-to-Back Ratio	-	Inter-Port Isolation	-
Cross-Polar Discrimination	-	Cross-Polar Isolation	-

**▼ Range: 1710 to 2170 MHz**

Peak Gain	2.50 dBi	Azimuth Beamwidth	360°
VSWR	2.0:1	Elevation Beamwidth	No Data
Radiation Efficiency	No Data	Electrical Tilt	0°
Front-to-Back Ratio	-	Inter-Port Isolation	-
Cross-Polar Discrimination	-	Cross-Polar Isolation	-

**▼ Range: 2300 to 2700 MHz**

Peak Gain	2.50 dBi	Azimuth Beamwidth	360°
VSWR	2.0:1	Elevation Beamwidth	No Data
Radiation Efficiency	No Data	Electrical Tilt	0°
Front-to-Back Ratio	-	Inter-Port Isolation	-
Cross-Polar Discrimination	-	Cross-Polar Isolation	-

**▼ Cellular MIMO-2 Element****Electrical Specifications****Mechanical Specifications**

Input Impedance	50 $\Omega$	Input Connector	SMA
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### Electrical Specifications

### Mechanical Specifications

Polarisation	Vertical (V)	Input Connector Gender	Male
Max. Input Power	50 W	Cable Series	LMR-195
PIM, 3rd Order	-	Cable Length	5180 mm

#### ▼ Range: 698 to 960 MHz

Peak Gain	2.50 dBi	Azimuth Beamwidth	360°
VSWR	2.0:1	Elevation Beamwidth	No Data
Radiation Efficiency	No Data	Electrical Tilt	0°
Front-to-Back Ratio	-	Inter-Port Isolation	-
Cross-Polar Discrimination	-	Cross-Polar Isolation	-

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Cross-Polar Discrimination	-	Cross-Polar Isolation	-

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Peak Gain	2.50 dBi	Azimuth Beamwidth	360°
VSWR	2.0:1	Elevation Beamwidth	No Data
Radiation Efficiency	No Data	Electrical Tilt	0°
Front-to-Back Ratio	-	Inter-Port Isolation	-
Cross-Polar Discrimination	-	Cross-Polar Isolation	-

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