

PCTHPMIMO - High Performance Multi-Band Mobile MIMO Antenna



PCTHPMIMO



Features

- Multi-band coverage of 2.3-2.8 GHz and 4.9-5.9 GHz broadband wireless frequencies
- Three-port dual band integrated elements terminated with high performance, low loss RG-58/U stranded cable
- Metal 3/4-inch stud mount with slotted jam nut provides single cable exit for easier installation and/or antenna replacement
- Attractive low profile design for maximum installation flexibility without antenna orientation restrictions
- IP67 compliant design with custom overmolded gasket provides maximum protection against water or dust ingress under severe environmental conditions when properly installed on a vehicle's surface
- High performance, low loss cable and high quality connectors for maximum RF system efficiency
- UV resistant black or white housing options complement most vehicular aesthetic requirements

Antenna Electrical Specifications

Frequency Ranges	VSWR (all frequencies)	In-Band Isolation Between Elements	Nominal Gain*	Beamwidth Elevation	Beamwidth Azimuth
2.3-2.8 GHz	< 1.5:1	23 dB	1.5 dBi	30°	360°
4.9-5.9 GHz		26 dB	0.5 dBi	25°	360°

* Measured at the end of the coax



General Specifications

Model Number: PCTHPMIMO
Maximum Power: 25 watts
Polarization: Vertical, linear
Nominal Impedance: 50 Ohm
Housing Color: Black (black gasket)
Housing Material: PC/ABS, UV rated for outdoor use
Mount Method: 3/4-inch hole (19 mm) slotted stud mount with 3/4-16 UNF slotted hex-nut
Coax: Three (3) 12-foot Pro-Flex Plus 195 stranded cable leads
Connector(s): Reverse Polarity, Reverse Threaded SMA Male (all leads)

Mechanical Specifications

Dimensions
5.2 OD x 2.1 inches (132 OD x 53 mm)

Environmental Specifications

Operating Temperature	Storage Temperature	Ingress Protection	Humidity
-40° to +80° C	-50° to +85° C	IP67*	95%

* When properly installed on rooftop surface, according to PCTEL installation instructions