

High Performance Multiband Mobile MIMO Antenna



PCTHPMIMO-RPSM

Features

- Multiband coverage of 2.3-2.8 GHz and 4.9-5.9 GHz broadband wireless frequencies
- Dual-band integrated elements terminated with high performance, low loss RG-58/U stranded cable
- Metal 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

General Specifications

Maximum Power: 25 watts
Polarization: Vertical, linear
Nominal Impedance: 50 ohms
Housing Color: Black
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: PCTHPMIMO-RPSM: Three (3) 12-foot Pro-Flex Plus 195 stranded cable leads
Connector(s): Reverse Polarity SMA Male

Electrical Specifications

Model	Frequency Ranges	VSWR	In-Band Isolation Between Elements	Nominal Gain*	E-Plane Beamwidth	MIMO Elements
PCTHPMIMO-RPSM	2.3-2.8 GHz 4.9-5.9 GHz	< 1.8:1	23 dB 26 dB	1.5 dBi 0.5 dBi	30° 25°	3

Mechanical Specifications

Model	Dimensions (OD x H)	Housing Color**
PCTHPMIMO-RPSM	5.2 x 2.1 inches (132 x 53 mm)	Black (black gasket)

Environmental Specifications

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



* Measured at the end of the coax

** Antennas each have black and white color options. Please contact Customer Service for help with ordering.

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