



“Sharkfin” Multi-band Antenna



Technical Data

Maximum Power: 10 watts
Polarization: Right hand circular
Input Impedance: 50 ohms
VSWR: < 1.8:1 (GPS) < 2.0:1 (RF)
Azimuth Coverage (GPS): 360°
Elevation Coverage (GPS): Hemispherical
Operating Supply Voltage: 2.7 - 5.5 V
Housing: Black, UV protected ABS
Housing Dimensions (major axis x minor axis x height): 3.8 x 2.4 x 2.8 inches 97 x 60 x 70 mm
Cable: 10 feet RG-174
Mount Method: Through hole mounting

Sharkfin Multi-band Roof Mount Antennas

The Sharkfin antennas provide multi-band omnidirectional coverage in an attractive, low profile housing. The tri-band and quad-band models also provide GPS navigation support capability. Their low profile through-hole footprint offers an attractive antenna design that provides optimal sealing for leakage resistance.

Features

- Low, aerodynamic profile eliminates wind noise commonly experienced with external mount vehicular applications
- Overmolded gasket design provides optimal sealing from condensation and water ingress
- Integrated antenna mast design provides secure installation to the vehicle
- UV stability for outdoor applications
- GPS navigation support on select models

GPS Antenna Electrical Specifications

Operating Frequency	Nominal Gain	Gain - Antenna Element	Noise Figure
L1: 1575.42	24 dB	3.5 dBic	2.0 dB nominal

Multi-band Antenna Electrical Specifications

Model	Operating Frequencies	Antenna Gain
GPSQB and GPSTB	824-896 MHz (AMPS); 1850-1990 MHz (PCS) 2.4-2.5 GHz (WiFi) (GPSQB only)	Unity

Model*	Frequencies Covered	Number of Pigtails
GPSQB	AMPS/PCS/GPS/WiFi	3
GPSTB	AMPS/PCS/GPS	2

Environmental Specifications

Operating Temperature Range	Humidity Rating	Ingress Protection
-40° C to +85° C	95%	IP56

*To order, please follow the following part number configuration:

Base Model	GPS Connector Code	AMPS/PCS Connector Code	Wi-Fi Connector Code
<i>Example:</i> GPSQB	<i>Choose among:</i> Right angle SMB Plug (RASBJ) Male SMA (MSMA) Female FME (FFME)	<i>Choose among:</i> Male SMA (MSMA) Male TNC (C) Female TNC (FC) Female FME (FFME)	<i>Choose among:</i> Reverse Polarity TNC (RPC) Male TNC (C) Reverse Polarity Male SMA (RPMSMA)

For other connector options, please refer to GPS Multi-Band Mobile Antenna Configurator Part Number Guide.