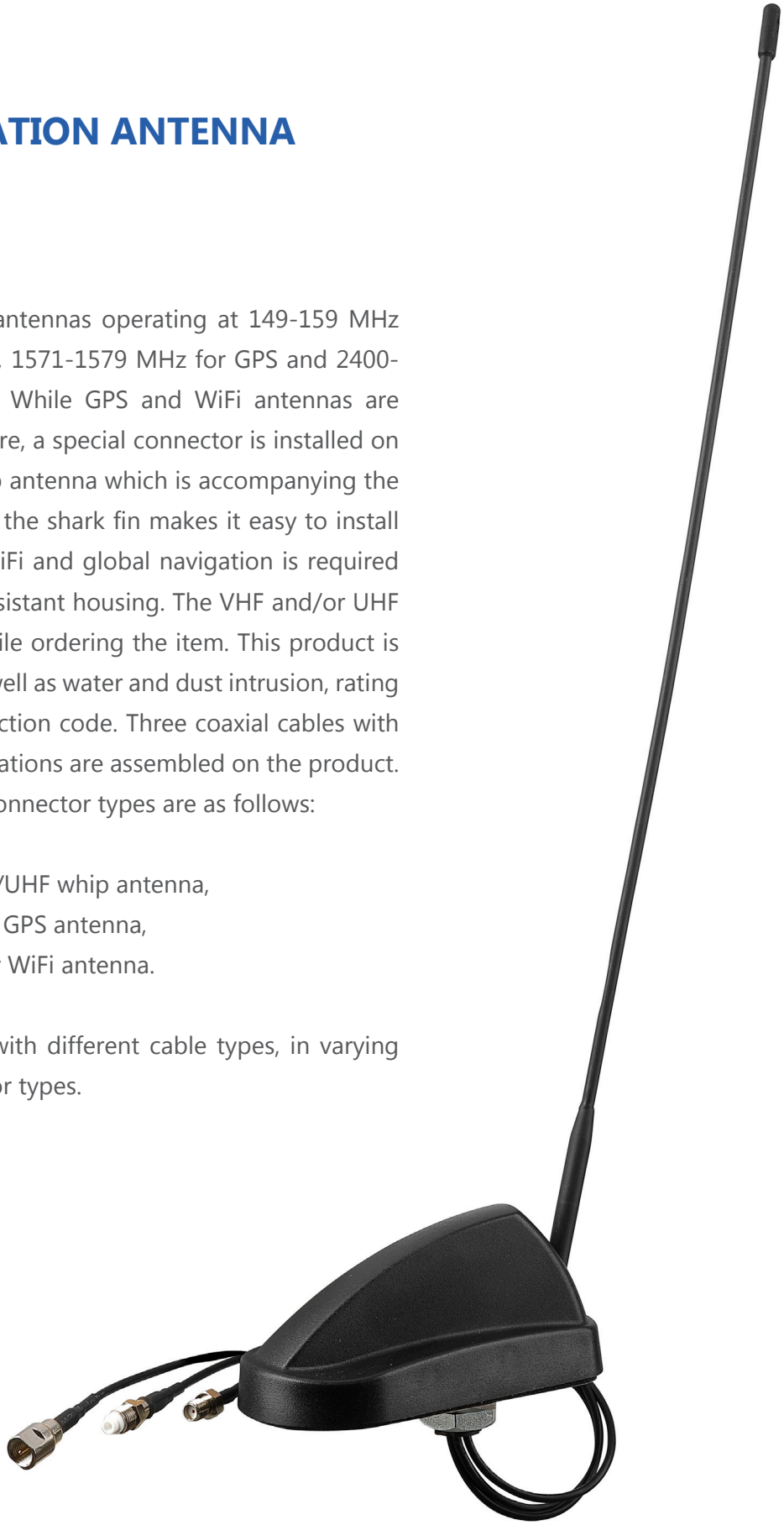
ROOF TOP COMBINATION ANTENNA

(V/UHF, WiFi, GPS)

This product incorporates three antennas operating at 149-159 MHz or 380-400 MHz for public safety, 1571-1579 MHz for GPS and 2400-2500 MHz for WiFi applications. While GPS and WiFi antennas are enclosed inside a shark fin structure, a special connector is installed on the structure for VHF or UHF whip antenna which is accompanying the product. The small form factor of the shark fin makes it easy to install on vehicles or buildings where WiFi and global navigation is required while providing rugged impact resistant housing. The VHF and/or UHF whip antenna can be selected while ordering the item. This product is designed to withstand impact as well as water and dust intrusion, rating the product as IP67 ingress protection code. Three coaxial cables with three different lengths and terminations are assembled on the product. Originally the cable lengths and connector types are as follows:

- Male type FME connector for V/UHF whip antenna,
- Female type FME connector for GPS antenna,
- Female type SMA connector for WiFi antenna.

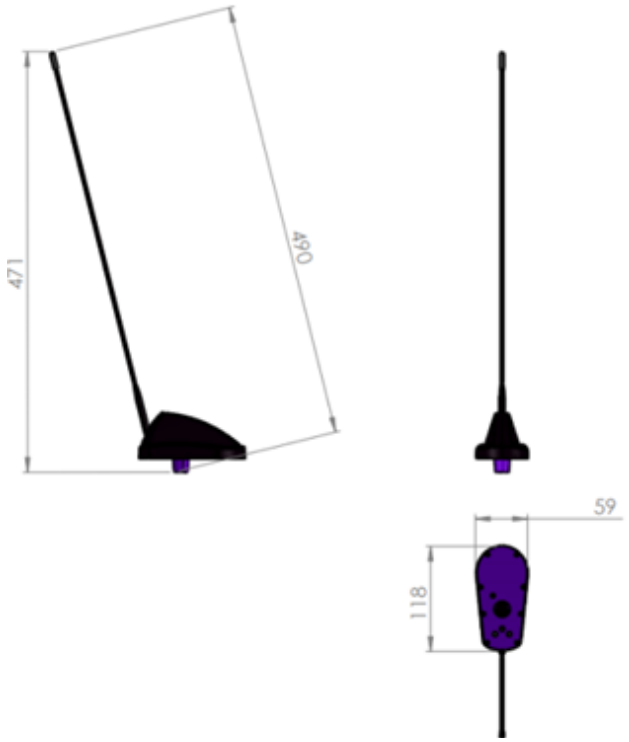
The antenna can be configured with different cable types, in varying lengths and with various connector types.



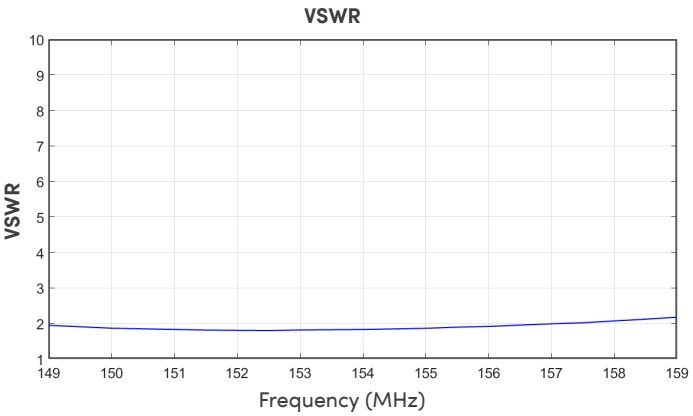
WIDEBAND WHIP ANTENNA FOR HANDHELD / MANPACK RADIOS

	Whip	GPS	Wifi
Cable Type	RG174		
Cable Diameter	2.8 mm		
Cable Length	360 mm	330 mm	270 mm
Cable Termination	FME plug	FME socket	SMA socket
Part Number	5000106	-	-
Frequency Range (MHz)	149 - 159	1571-1579	2400-2500
Operational Bands	VHF	GPS	WLAN
VSWR	< 2 : 1	< 1.5 : 1	-
Gain	2 dBi	LNA 26 dB	Peak Isotropic 2dBi
Polarisation	Linear	RHCP	-
Pattern	Omni Directional	-	-
Impedance	50 Ω	-	-
Max Input Power	60 W CW	-	-
Operating Voltage	-	3-7 V DC	-
Current	-	Typical 14mA	-
Dimensions	50x120x58 mm		
Lengths	452 ± 4 mm	-	-
Operating Temperature	-40° / +80°C		
Material	Impact resistant UV light stabilised ABS		
Color	Black		
Ingress Protection	IP67		

▶ Technical Dimensions



▶ Typical VSWR vs Frequency for the VHF Whip



▶ Typical VSWR vs Frequency for the WiFi