



020-141 **EXTERNAL GSM ANTENNA**



AMPS (824 - 894 MHz) GSM (900 MHz) DCS (1900 MHz) PCS (1900 MHz) SGW (9100 MHz)		
SSM (900 MHz) DCS (1800 MHz) DCS (1800 MHz) SG (UMTS 2.1 GHz) Wi-Fi/Bluetooth (2.4 GHz) MOUNTING Body mounting Body mounting BODY mounting BODY mounting SO Ω POLARISATION Linear GAIN 2.2 dB (Average, dependent on size of ground plane) VSWR 2.6:1 (VSWR stated when measured with 2.5 m RG-174 cable on a 50 cm x 50 cm ground plane) PROTECTION IP67/IP69K/IK09 OPERATING TEMPERATURE MATERIAL BODY ABS Base - Zamak Gasket - TPE MAXIMUM DIMENSIONS Diameter 77.4 mm 3.05" Housing depth 15.9 mm 0.63" Bolt Height 16 mm 0.63" Bolt Diameter/Nut Size M14 0.56" WEIGHT (Based on default cable length & connector)	TYPE	Cellular/Wi-Fi/Bluetooth Antenna
IMPEDANCE 50 Ω POLARISATION Linear GAIN 2.2 dB (Average, dependent on size of ground plane) VSWR <2.6:1 (VSWR stated when measured with 2.5 m RG-174 cable on a 50 cm x 50 cm ground plane) PROTECTION IP67/IP69K/IK09 OPERATING TEMPERATURE 40 °C to +85 °C 40 °F to +185 °F MATERIAL Housing – ABS Base – Zamak Gasket - TPE Diameter 77.4 mm 3.05" Housing depth 15.9 mm 0.63" Bolt Height 16 mm 0.63" Bolt Diameter/Nut Size M14 0.56" WEIGHT (Based on default cable length & connector) WEIGHT (Based on default cable length & connector)	FREQUENCIES	GSM (900 MHz) DCS (1800 MHz) PCS (1900 MHz) 3G (UMTS 2.1 GHz)
POLARISATION GAIN 2.2 dB (Average, dependent on size of ground plane) VSWR <2.6:1 (VSWR stated when measured with 2.5 m RG-174 cable on a 50 cm x 50 cm ground plane) PROTECTION IP67/IP69K/IK09 OPERATING TEMPERATURE -40 °C to +85 °C -40 °F to +185 °F MATERIAL Housing - ABS Base - Zamak Gasket - TPE MAXIMUM DIMENSIONS Diameter 77.4 mm 3.05" Housing depth 15.9 mm 0.63" Bolt Height 16 mm 0.63" Bolt Diameter/Nut Size M14 0.56" WEIGHT (Based on default cable length & connector) ILinear Linear 2.2 dB (Average, dependent on size of ground plane) VSWR RG-174 cable on a 50 cm x 50 cm ground plane) PROTECTION IP67/IP69K/IK09 -40 °C to +85 °C -40 °F to +185 °F Housing - ABS Base - Zamak Gasket - TPE IP68/IP69K/IK09 IP67/IP69K/IK09 IP67/IP69K/IK	MOUNTING	Body mounting
GAIN 2.2 dB (Average, dependent on size of ground plane) vswr 2.6:1 (VSWR stated when measured with 2.5 m RG-174 cable on a 50 cm x 50 cm ground plane) PROTECTION IP67/IP69K/IK09 OPERATING TEMPERATURE -40 °C to +85 °C -40 °F to +185 °F MATERIAL Housing ABS Base - Zamak Gasket - TPE MAXIMUM DIMENSIONS Diameter 77.4 mm 3.05" Housing depth 15.9 mm 0.63" Bolt Height 16 mm 0.63" Bolt Diameter/Nut Size M14 0.56" S29 oz	IMPEDANCE	50 Ω
VSWR	POLARISATION	Linear
PROTECTION IP67/IP69K/IK09 OPERATING TEMPERATURE -40 °C to +85 °C -40 °F to +185 °F MATERIAL Housing – ABS Base – Zamak Gasket - TPE MAXIMUM DIMENSIONS Diameter 77.4 mm 3.05" Housing depth 15.9 mm 0.63" Bolt Height 16 mm 0.63" Bolt Diameter/Nut Size M14 0.56" WEIGHT (Based on default cable length & connector) IP67/IP69K/IK09 Housing -485 °C -40 °F to +185 °F Housing – ABS Base – Zamak Gasket - TPE ### TPE	GAIN	2.2 dB (Average, dependent on size of ground plane)
OPERATING TEMPERATURE -40 °C to +85 °C -40 °F to +185 °F MATERIAL Housing – ABS Base – Zamak Gasket - TPE MAXIMUM DIMENSIONS Diameter 77.4 mm 3.05" Housing depth 15.9 mm 0.63" Bolt Height 16 mm 0.63" Bolt Diameter/Nut Size M14 0.56" WEIGHT (Based on default cable length & 5.29 oz	VSWR	<2.6:1 (VSWR stated when measured with 2.5 m RG-174 cable on a 50 cm x 50 cm ground plane)
-40 °F to +185 °F MATERIAL Housing – ABS Base – Zamak Gasket - TPE MAXIMUM DIMENSIONS Diameter 77.4 mm 3.05" Housing depth 15.9 mm 0.63" Bolt Height 16 mm 0.63" Bolt Diameter/Nut Size M14 0.56" WEIGHT (Based on default cable length & connector) 150 g 5.29 oz	PROTECTION	IP67/IP69K/IK09
Base – Zamak Gasket - TPE MAXIMUM DIMENSIONS Diameter 77.4 mm 3.05" Housing depth 15.9 mm 0.63" Bolt Height 16 mm 0.63" Bolt Diameter/Nut Size M14 0.56" WEIGHT (Based on default cable length & connector) 150 g 5.29 oz	OPERATING TEMPERATURE	
77.4 mm 3.05" Housing depth 15.9 mm 0.63" Bolt Height 16 mm 0.63" Bolt Diameter/Nut Size M14 0.56" WEIGHT (Based on default cable length & connector) 150 g 5.29 oz	MATERIAL	Base – Zamak
(Based on default cable length & connector) 5.29 oz	MAXIMUM DIMENSIONS	77.4 mm 3.05" Housing depth 15.9 mm 0.63" Bolt Height 16 mm 0.63" Bolt Diameter/Nut Size M14
COLOUR Black	WEIGHT (Based on default cable length & connector)	
	COLOUR	Black









