

Extendr® 5G-1

High performance multiband antenna with extended range in all cellular bands (2G, 3G, 4G & 5G)

Rugged tamper-proof multiband antenna combining all major cellular bands. The antenna is ideal for IoT and M2M applications providing a stable connection in critical areas.

- Excellent performance, VSWR below 2.5 in 92% of the specified band
- IP67 water proof design for professional use
- Low profile design
- Ground plane independent

ELECTRICAL SPECIFICATIONS

Frequency	698-790 / 790-960 / 1710-2690 / 3300-3800 MHz
Impedance	50 Ohm
Vswr	<4.0:1 (698-790 MHz) <3.0:1 (790-960 MHz) <1.5:1 (1710-2170 MHz, 2300-2690 MHz) <2.0:1 (3300-3800 MHz) Measured with 2.0 m cable
Polarisation	Linear
Gain	0 dBd, 2.1 dBi (698-960 MHz) 1 dBd, 3.1 dBi (790-960 MHz, 1710-2170 MHz) 3 dBd, 5.1 dBi (2300-2690 MHz, 3300-3800 MHz)
Max. Input Power	10 W
Antistatic Protection	Direct Ground (DC-short)



Datasheet

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MECHANICAL SPECIFICATIONS

Color	Black
Height	46 mm (Above surface when mounted)
Weight	150 g
Diameter	Ø 111 mm
Mounting	Through Hole Mounting (Adhesive and Magnetic available)
Mounting Place	On vertical or horizontal surfaces (conductive or non-conductive). E.g. car roofs, metering cabinets and brackets
Mounting hole	Ø 16 - 17 mm
Build-in Depth	Max. 15.6 mm
Materials	ABS, silicon, brass, PVC, PE and PCB
Operating Temperature	-40°C to +85°C
Connector	SMA-male (Other types available)
Cable	RG174/U
Ingress protection	IP67 (when mounted)

ORDERING INFORMATION

48101-001	2.0 m cable + SMA-male - Through Hole Mounting
48131-001	2.0 m cable + SMA-male - Magnetic Mounting

PACKAGING INFORMATION

Type	Bulk paking or individually packing in Polybag (See "ORDERING INFORMATION")
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