

WPANT30070-S1A

3G Cellular & ISM band Body-mount Antenna



Description / Application

This is a 3G Cellular & ISM band, miniaturized body-mount antenna. Small size and ease of integration make this an ideal choice for applications where space is a constraint. Standard cable is 1.32mm Micro Co-ax and connector is IPX / Hirose equivalent.

We can assist your engineers to optimize mounting positions for these antennas in your specific application and can further assist to trouble shoot system integration issues such as TRP/TIS and FCC requirements. We specialize in developing customized Antenna solutions. Please contact sales@worldproducts.com with your specific application requirements.

Electrical Properties

Operating Frequency	824 – 960 MHz	1710 – 2170 MHz
Approximate Antenna Impedance [Ω]	50Ω	50Ω
VSWR – Typical	< 3:1	< 3:1
Peak Gain [dBi] (Typical)	2 dBi	3.5 dBi
Efficiency [%] (Typical)	60 %	60 %
Polarization	Linear	Linear
Pattern	Near Omni-directional	Near Omni-directional
Accepted Power [W] (Max)	2 Watts	2 Watts

Mechanical / Environmental Properties

Antenna Dimensions**	2" X 1.1" X 0.8" (50mm X 27mm X 20mm)
Antenna Color	Black
Cable	8" long 1.32mm dia Micro Co-ax U.FL
Connector	IPX / Hirose equivalent
Tape	Standard 3M 4920 double stick
External Bottom Gasket Material	Standard 3M 6208 foam
Nut	Standard Nylon M12
Antenna Plastic Radome	ABS + Polycarbonate
Operating / Storage Temperature	-40°C to +90°C
Environmental	Salt Spray Resistant, Water Ingress Resistant, UV Resistant, Ageing Resistant, Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant

**Height includes the 3M tape & foam gasket thickness.

Pictures of the Antenna



VSWR of the Antenna

