

Passive L1 GPS/GNSS SMA Antenna

Model Number HZG1



The HZG1 is a passive panel mount GPS antenna for multiband GNSS coverage. The antenna can be mounted to a standard SMA female bulkhead or panel mount connector. The antenna when installed is water and weather-proof to IP-68 standards.

- Zero power draw, ideal for battery powered devices
- Ultra durable rubber radome
- Passive noise free design for multiband receivers
- Broadband tune to accommodate housing/hand loading



Electrical Specifications/Connector

Frequency Band	1570-1580MHz GPS L1: 1575.42MHz Galileo E1: 1575.42MHz
Gain	1.75dBic measured on 3x3" metal housing
Pattern	Directional Skyward
Return Loss	-8dB(2.3:1 VSWR)
Polarization	Right Hand Circular Polarization
Connector	SMA Male

Mechanical/Environmental Specifications

Materials	Molded Polyethylene Radome
Mounting	SMA Female
Temp Rating	(-40°F to + 149°F) Operating and Storage
Water Ingress	Tested to IP68 standard
Weight	.42oz(12g)
Dimensions	0.825"(21mm) Diameter x 0.825"(21mm)



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HZG1 Elevation Pattern

