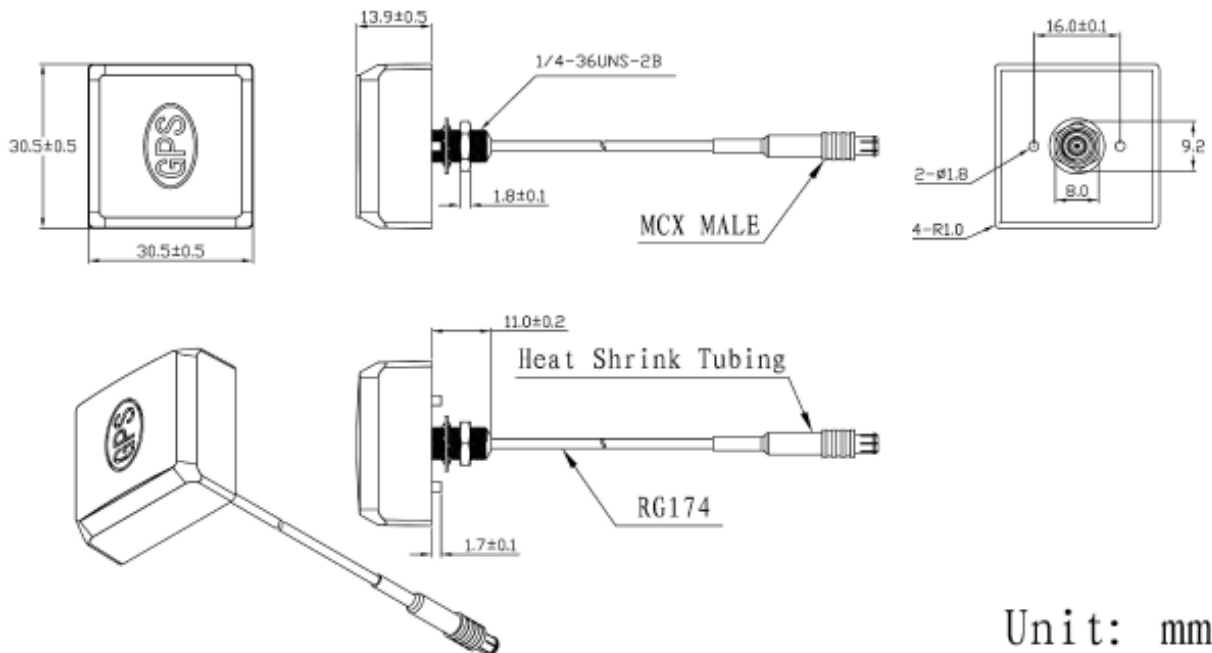


## Key Features

- IP66 rated
- GPS antenna
- 28dB LNA gain
- Compact: 30.5 x 30.5 x 13.9mm

## Additional Considerations

- 1/4 - 36UNS-2B screw thread
- Compact design for covert or space concious applications
- RoHS compliant



Unit: mm

Rev 1.3

### Antenna Specifications

Frequency range:	1575.42 ±1 MHz
V.S.W.R:	<1.5
Polarization:	RHCP
Gain:	5dBic (Zenith)
Impedance:	50ohm
Band Width	CF ±5MHz
Axial Ratio	3dB (max)
Dimension	30.5x30.5x13.9mm

### LNA Specifications

Gain:	28±2dB
Noise Figure:	<1.5
Filter Insertion Loss:	<3dB
Ex-band Attenuation	12dB@CF + 50MHz/16dB@CF-50MHz
Supply Voltage:	2.2-5V DC
Current Consumption	5-15mA
VSWR	<2.0

### Mechanical Specifications

Cable:	RG174 or others
Connector:	SMA / MCX / FAKRA or others
Material:	ABS
Mounting method:	Screw

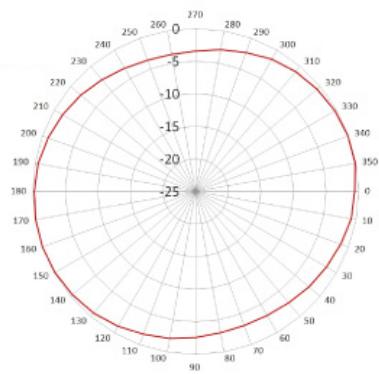
### Environmental Specifications

Operating temperature:	-40 to +85°C
Relative humidity:	Up to 95%
Vibration:	10 to 55Hz with 1.5mm amplitude 2 hours
Environmentally friendly:	RoHS compliant

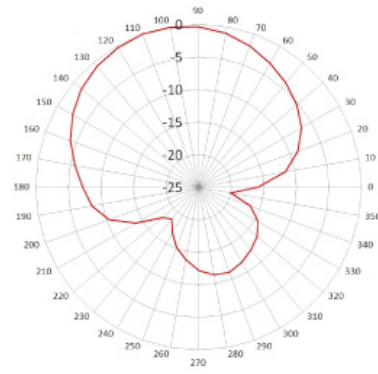
### Test Reports

#### Radiation Patterns

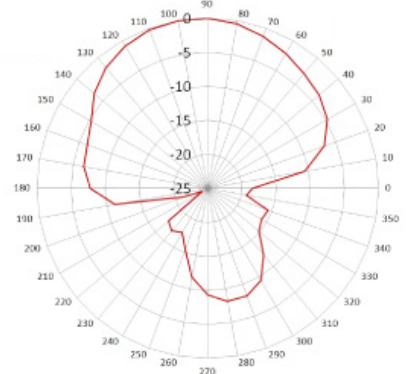
XY Plane



XZ Plane



YZ Plane



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