

1558 - 1615 MHz GNSS Active ANTENNA

Part Numbers: 2195774-1

FEATURES & BENEFITS

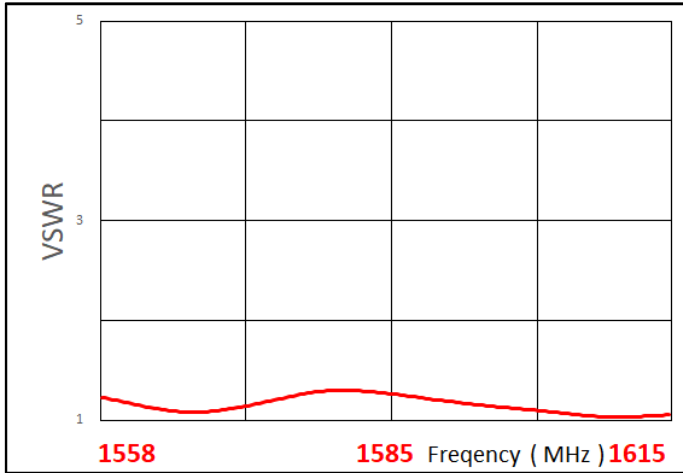
- Active External Patch Antenna
- Magnet mount antenna
- Different cable lengths and connector options available
- Minimum or no matching circuits required.

SPECIFICATIONS

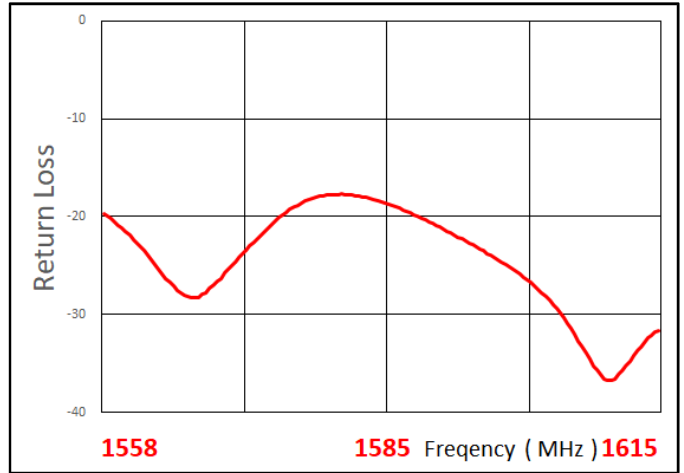
| | | | |
|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------|-----------------------------------|
| Frequency Range (MHz) | 1558 ~ 1615 | Size | 49.5 x 38 x 16.9 mm |
| VSWR | < 2 : 1 | Weight | 66.3 g |
| Return Loss | < -10 dB | Mounting | External chassis mounting antenna |
| Peak Gain at Zenit 29.3±3 dBic @ 1561.098 MHz 30.8±3 dBic @ 1575.42 MHz 29.7±3 dBic @ 1602 MHz 29.8±3 dBic @ 1606 MHz | | Mating Connector | SMA |
| | | Cable | RG-174/U |
| | | Cable Length | 3000 mm |
| | | Operating Temperature | -40 to +85°C |
| Feed Point Impedance | 50 ohms unbalanced | Storage Temperature | -40 to +85°C |
| Polarization | R.H.C.P. | Packaging Specification | Bag & Box |
| Operation Voltage | 3.3±0.6V | | |
| Current (DC 3.3±0.1V) | 10±3 mA | | |
| Hazardous Materials | A certificate of conformance is available from the product page on TE website. | | |

RF DATA

VSWR



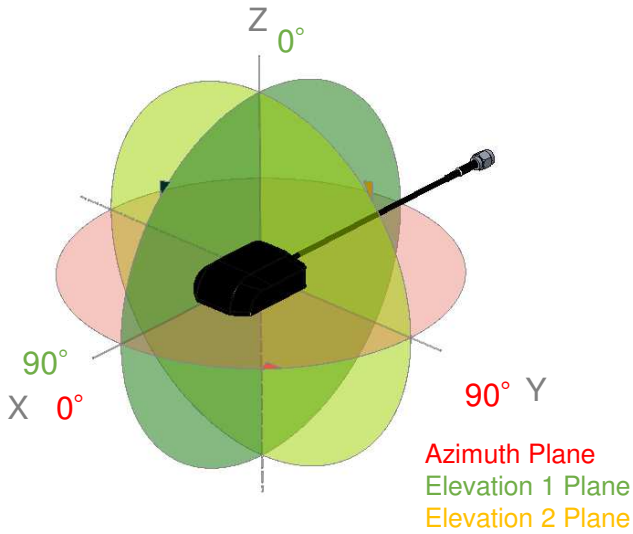
Return Loss



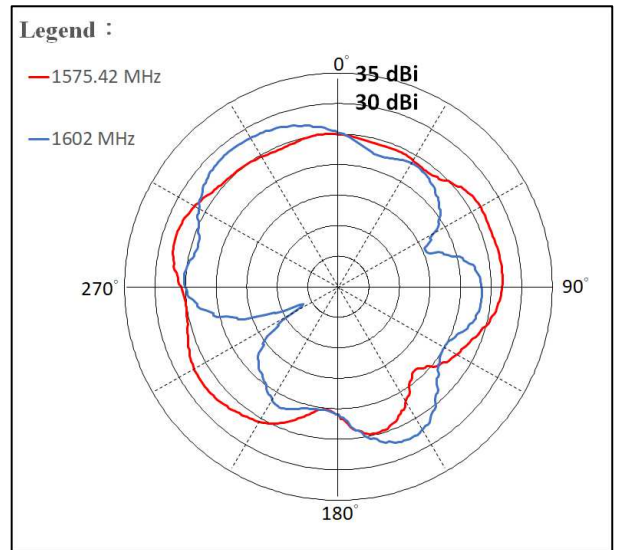
Data measured in free space without ground plane. Application data may vary.

RADIATION PATTERN

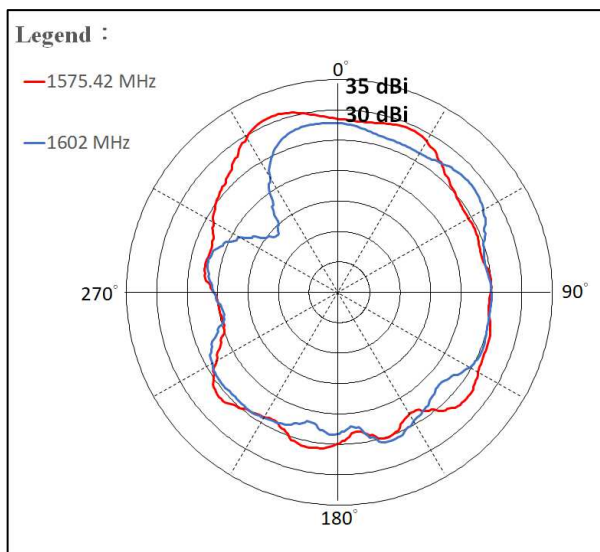
Test setup



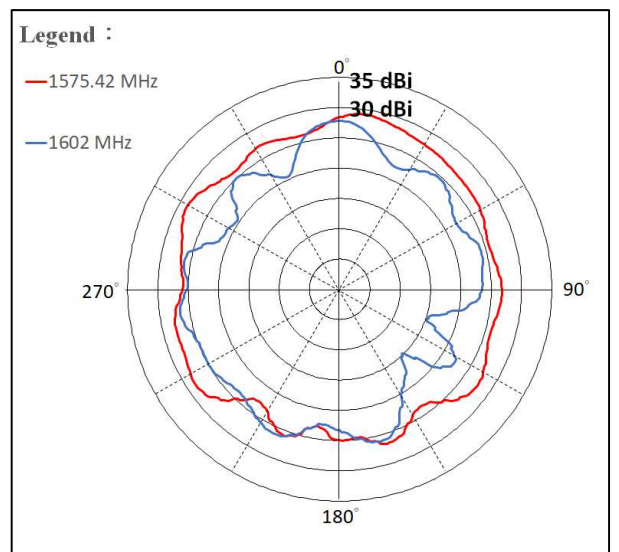
Azimuth



Elevation 1



Elevation 2

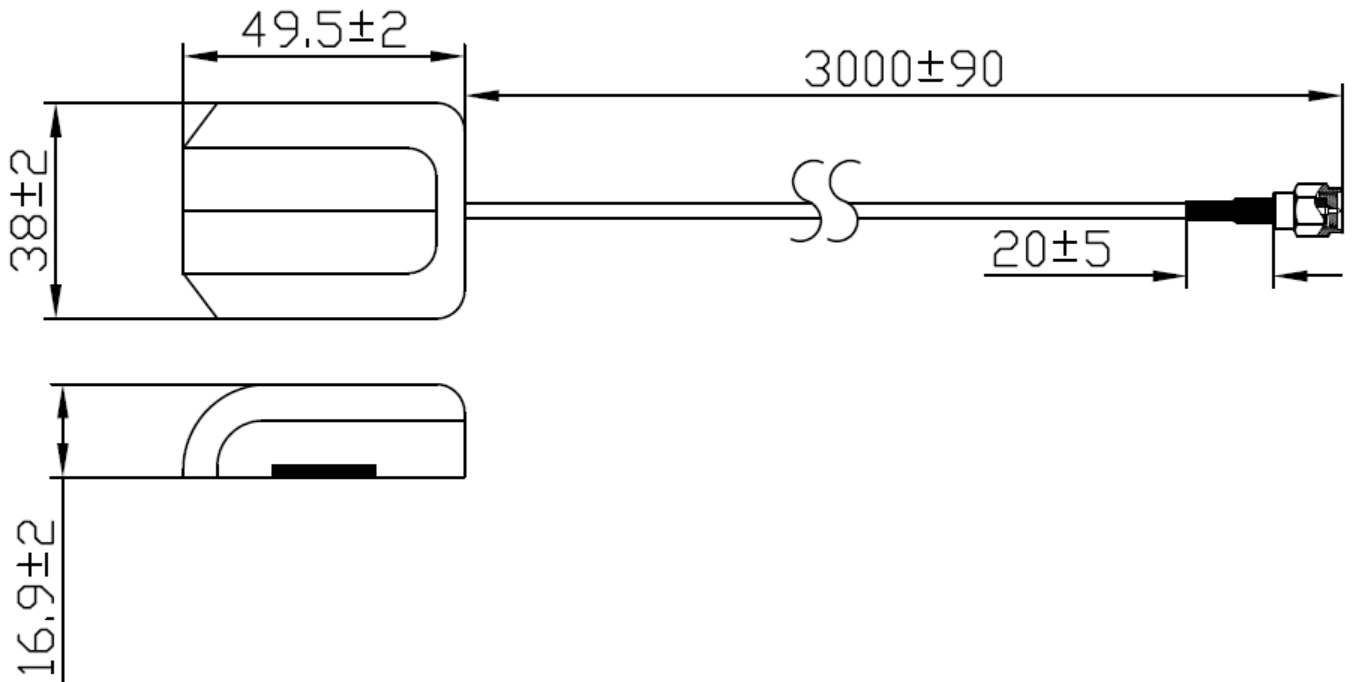


Data measured in free space without ground plane. Application data may vary

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DIMENSIONS



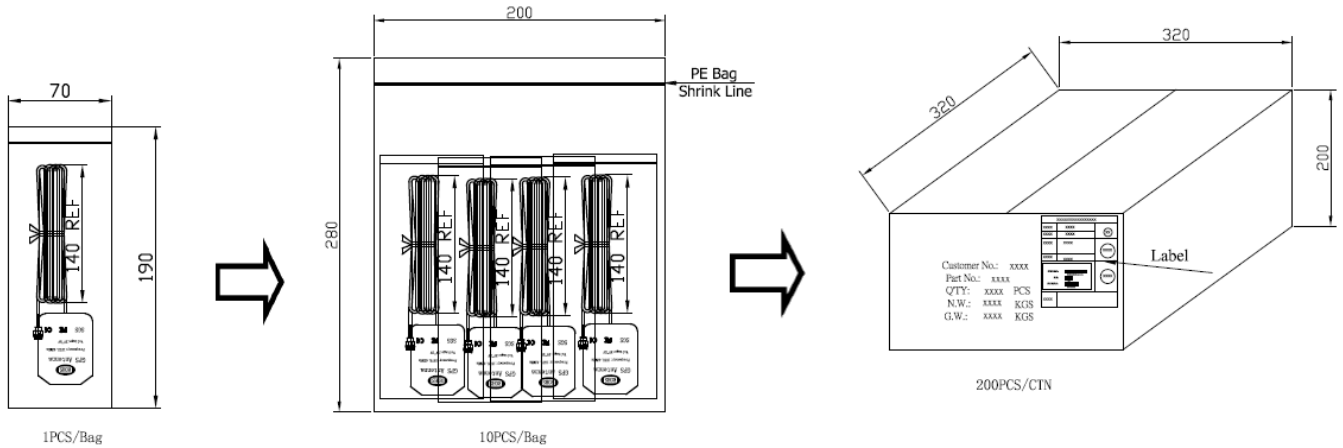
MATING COMPONENTS

| | | | |
|-------------------|----------------|------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| 2195774-1 | SMA | 5-1814400-2: SMA JACK, RIGHT ANGLE | 2016682-2: SMA GEN1 (MHF type), 1.13 cable, Length=100mm 2016682-4: SMA GEN1 (MHF type), 1.13 cable, Length=200mm |
| | | 5-1814832-2: SMA JACK, VERTICAL | 2016694-2: SMA GEN4 (MHF4 type), 1.13 cable, Length=100mm 2016694-4: SMA GEN4 (MHF4 type), 1.13 cable, Length=200mm |
| PART NUMBER | CONNECTOR TYPE | RF CONNECTOR | SMA JACK TO MICRO COAX CABLE ASSEMBLIES |
| MATING COMPONENTS | | | |

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PACKAGING



TE TECHNICAL SUPPORT CENTER

- USA: +1 (800) 522-6752
- Canada: +1 (905) 475-6222
- Mexico: +52 (0) 55-1106-0800
- Latin/S. America: +54 (0) 11-4733-2200
- Germany: +49 (0) 6251-133-1999
- UK: +44 (0) 800-267666
- France: +33 (0) 1-3420-8686
- Netherlands: +31 (0) 73-6246-999
- China: +86 (0) 400-820-6015

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