

1558 - 1615 MHz GNSS Active ANTENNA

Part Numbers: 2195774-1

FEATURES & BENEFITS

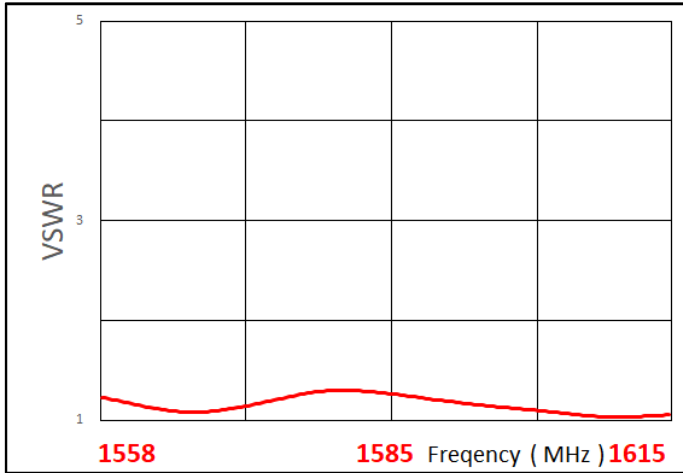
- Active External Patch Antenna
- Magnet mount antenna
- Different cable lengths and connector options available
- Minimum or no matching circuits required.

SPECIFICATIONS

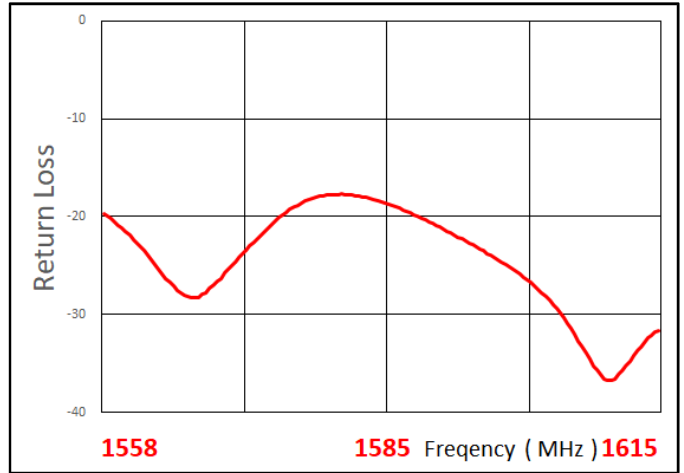
Frequency Range (MHz)	1558 ~ 1615	Size	49.5 x 38 x 16.9 mm
VSWR	< 2 : 1	Weight	66.3 g
Return Loss	< -10 dB	Mounting	External chassis mounting antenna
Peak Gain at Zenit 29.3±3 dBic @ 1561.098 MHz 30.8±3 dBic @ 1575.42 MHz 29.7±3 dBic @ 1602 MHz 29.8±3 dBic @ 1606 MHz		Mating Connector	SMA
		Cable	RG-174/U
		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



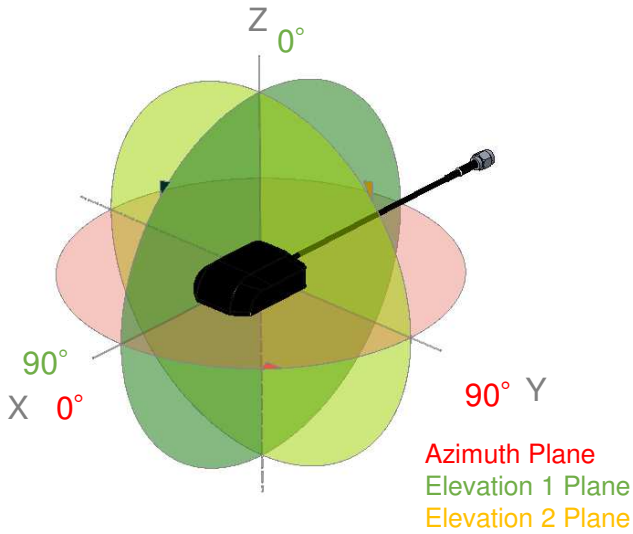
Return Loss



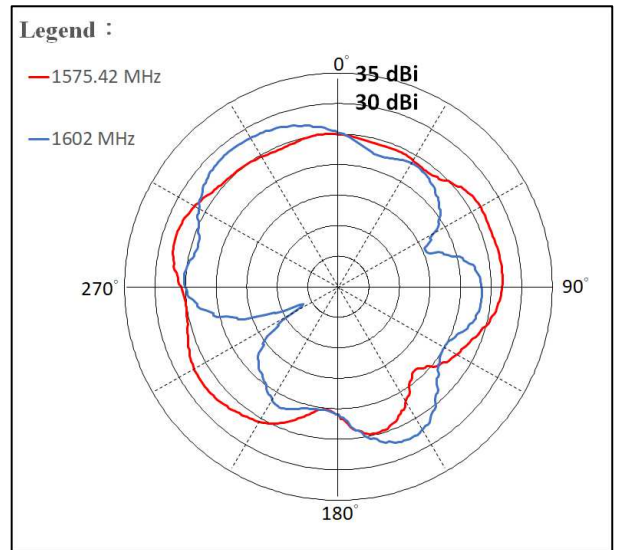
Data measured in free space without ground plane. Application data may vary.

RADIATION PATTERN

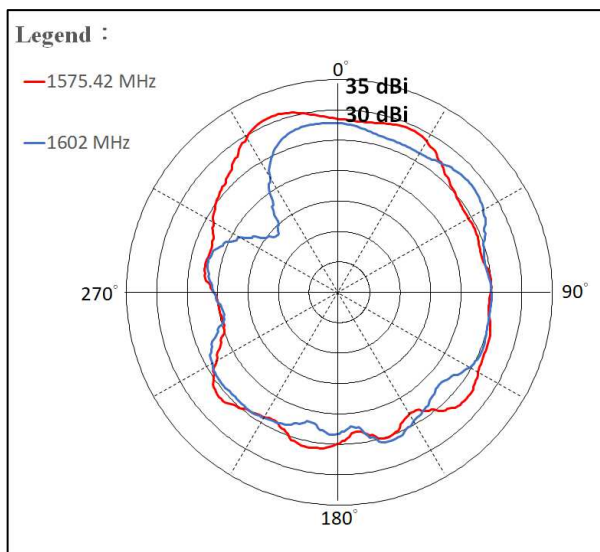
Test setup



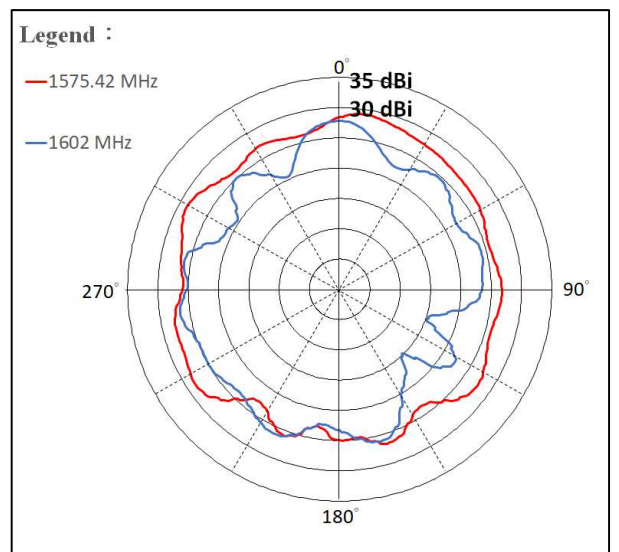
Azimuth



Elevation 1



Elevation 2

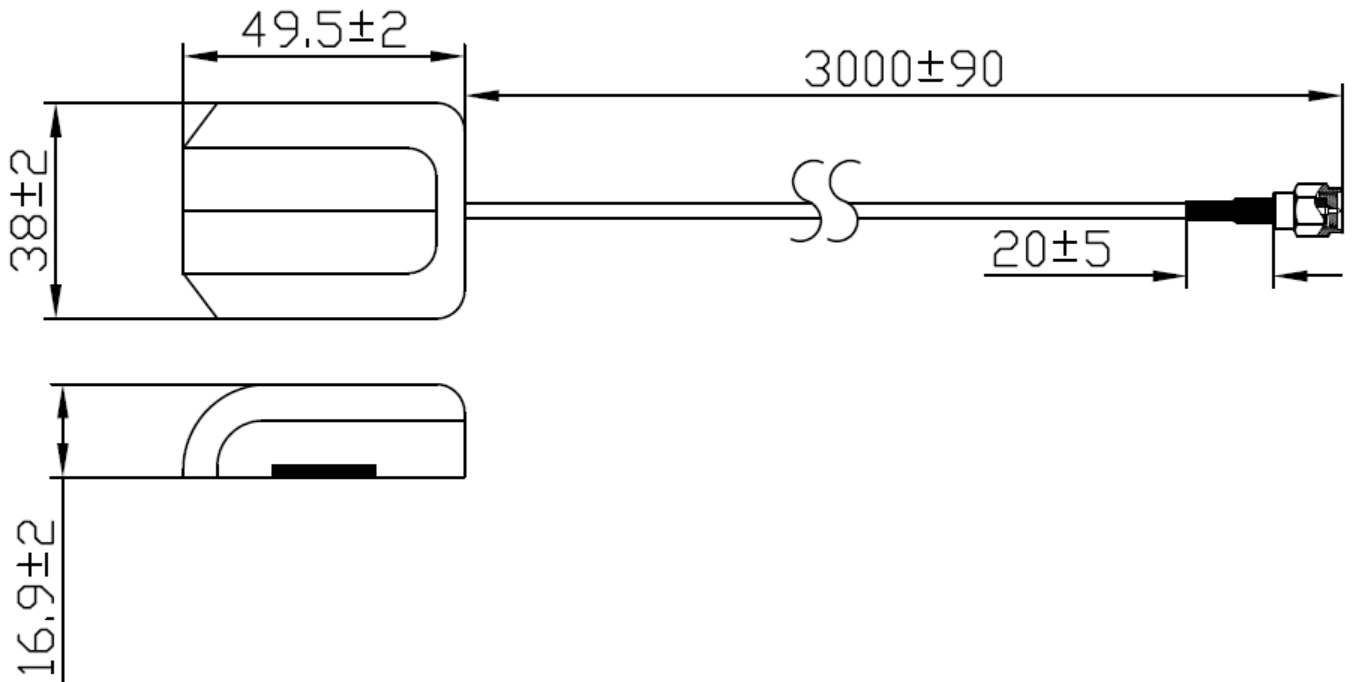


Data measured in free space without ground plane. Application data may vary

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DIMENSIONS



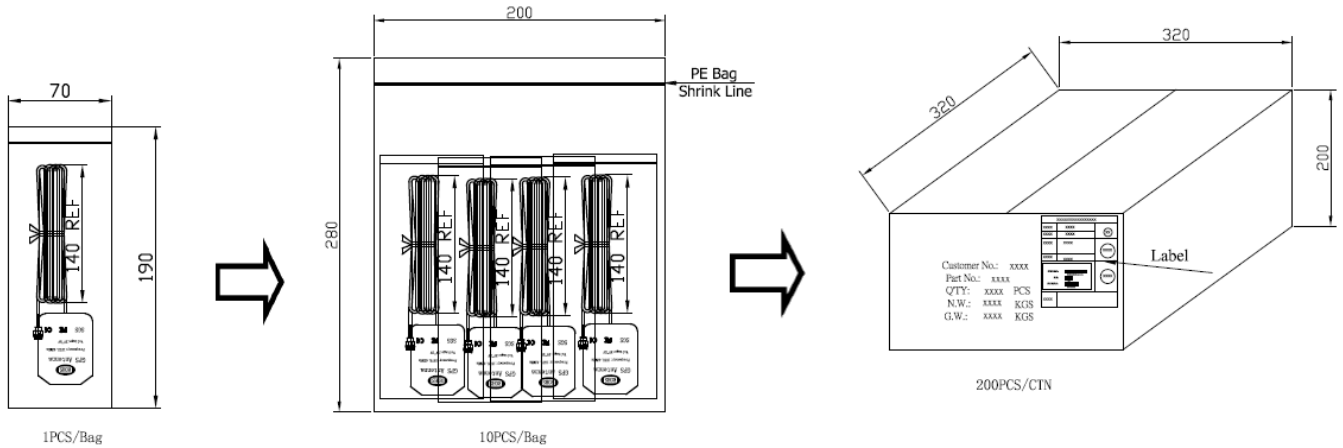
MATING COMPONENTS

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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