

GPS/GLONASS Active Antenna

SPK-GGSANT-025 V1



Add : 10F,NO.510,SEC.5,CHUNG HSIAO E. RD, TAIPEI,TAIWAN

Tel : 02-2346-2323

Fax : 02-2346-3939

E-mail : spktw@ms34.hinet.net WEB:<http://www.spkecl.com>

I. Features:

SPK-GGSANT-025 V1

1. Extra-high Gain 20 dB and Low Noise_0.65dB
2. All Voltage (2.7~3.3 V) can be available in one.
3. Low current consumption (3.6mA)
4. Dual Band(1550~1615 MHz_GPS/GLONASS).
5. Variable connector and cable length are available.
- 6.2Kv HBM ESD Protection(including AI-pin)

II. Applications:

For antenna series used with or in handheld system, Automobile, Recreational, Marine.....etc.

III. Part Number:

SPK GGSANT 025
(1) (2) (3)

(1) **SPK**-S.P.K. Electornics Co., Ltd.

(2) **GGSANT**- GPS Glonass Active antenna

(3) **25**-Antenna Size: 25.2X25.2mm

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IV. Electrical Specification:

1. Ceramic Patch Antenna Specification:

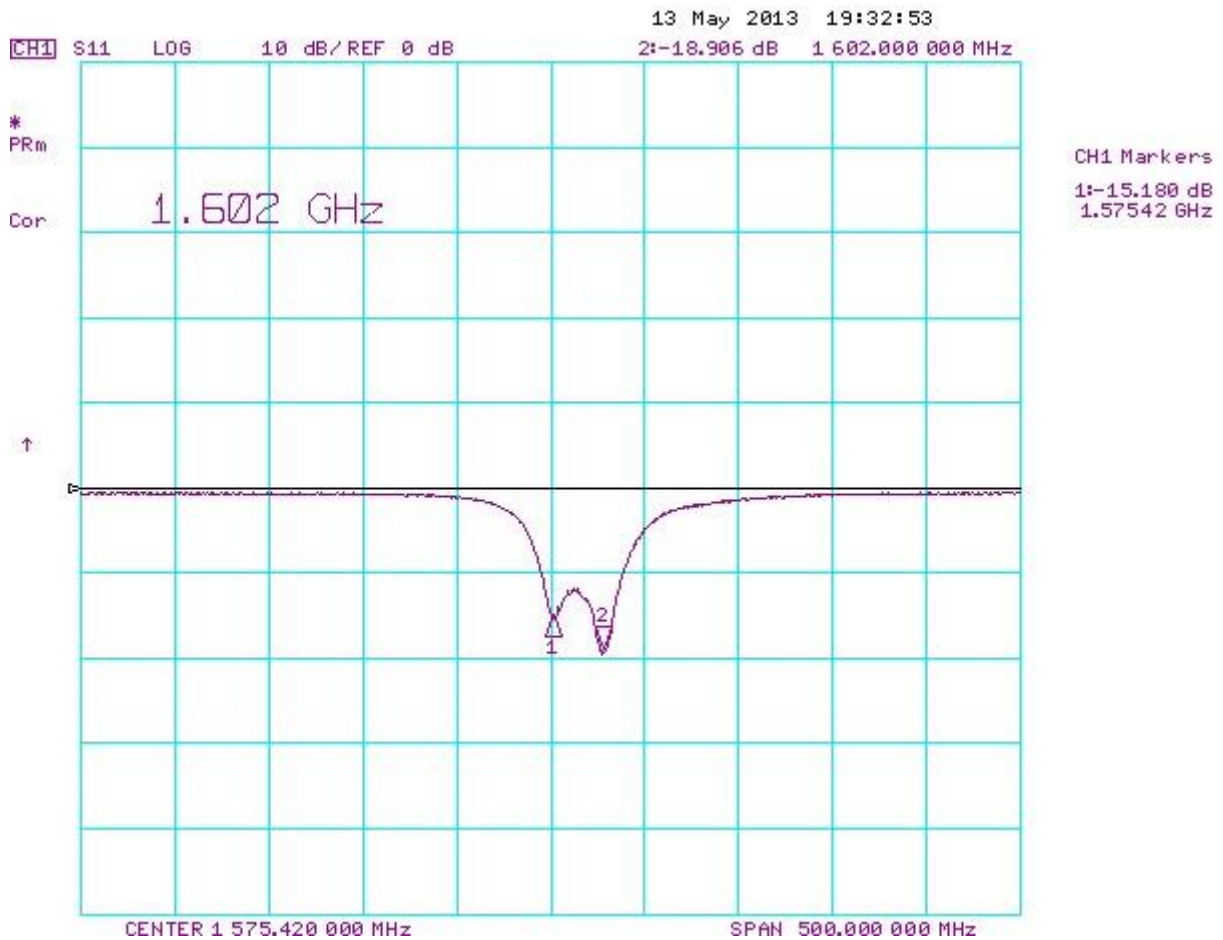
Operating Frequency	1575.42/1602 MHz
Bandwidth	10 MHz@S11≤-10 dB
Gain@Zenith	4.0 dBi
Gain@10[log]≤elevation	-3 dBi.
Polarization	R.H.C.P
Axial Ratio	3.0 dB Typ.

2. LNA Specification:

Operating Frequency	1575.42/1602 MHz
Gain	20dB
Noise Figure	0.65dB
Output VSWR	≤2.0 Max
Voltage	2.7V~3.3V
Current	3.6mA

V. Return loss and Smith Chart for Ceramic PatchAntenna:

- Return loss & Smith Chart



- Appearance:

Patch Antenna Unit :25*25*4 (mm)

- Operating & Storage Condition:

Temperature:-40~+85°C

Humidity : 10 ~ 95 RH

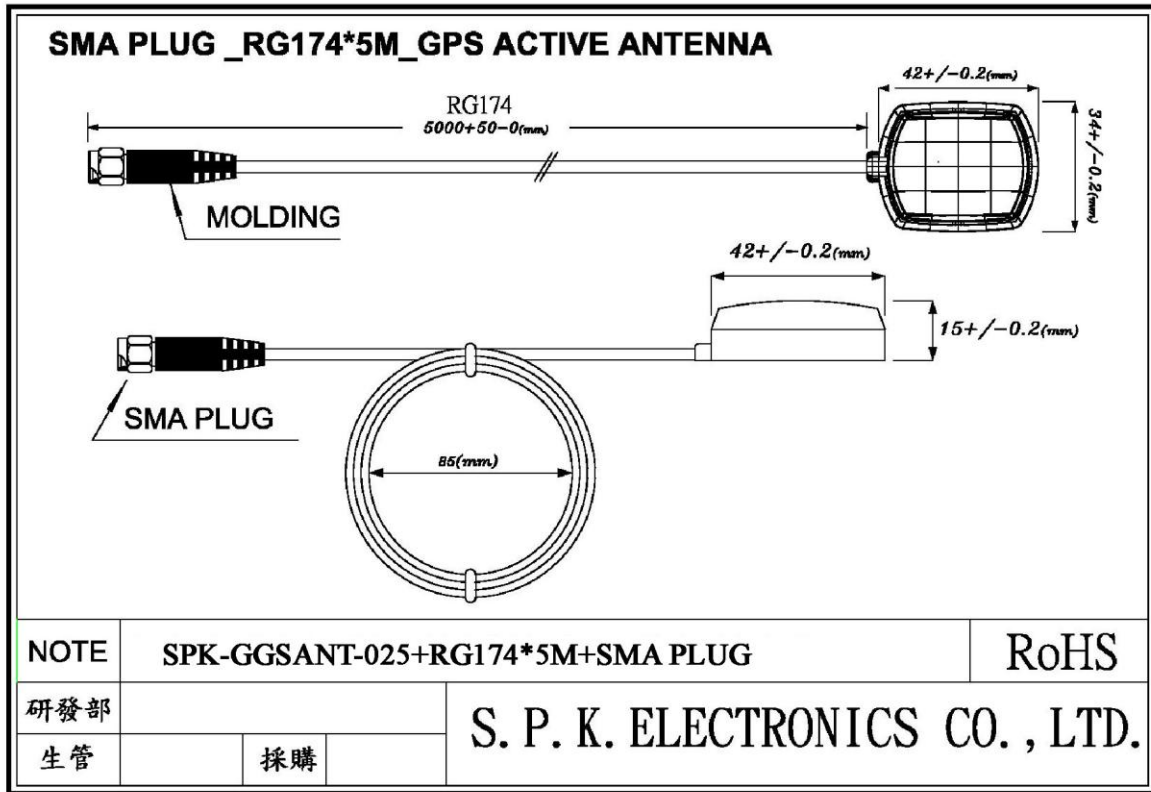
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Antenna Dimensions:



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