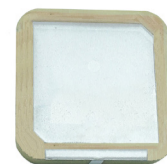


GPS/Galileo + GLONASS Ceramic Patch Antenna



APAKN2504-C2G-T

25.0 x 25.0 x 4.0mm
RoHS/RoHS II Compliant
MSL = 1

FEATURES

- Gain of 3.6 dBi
- 1575.42 and 1602 MHz bands
- RHCP polarization
- 25.0 x 25.0 x 4.0mm form factor

APPLICATIONS

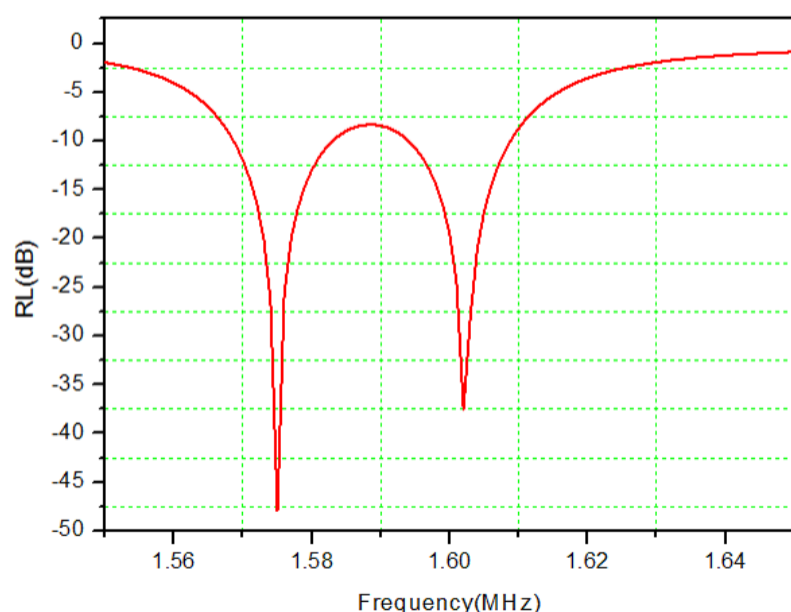
- GPS/GNSS
- Galileo
- GLONASS
- IoT
- Remote technology/monitoring
- M2M

ELECTRICAL SPECIFICATIONS

| Parameters | min | Typ. | Max. | Units | Note |
|----------------------------------------|------|---------------|------|--------|-------------------------------|
| Application Band: GPS / Galileo | | 1575.42±1.023 | | MHz | (On a 70*70mm Ground Plane) |
| Return Loss: GPS / Galileo | | | -10 | dB | |
| Gain (Peak): GPS / Galileo | | 3.6 | | dBi | |
| Application Band: GLONASS | | 1602±5.0 | | MHz | (On a 70*70mm Ground Plane) |
| Return Loss: GLONASS | | | -10 | dB | |
| Gain (Peak): GLONASS | | 3.6 | | dBi | |
| Polarization Model | RHCP | | | | |
| Impedance | 50 | | | Ω | |
| Frequency Temperature Coefficient | | | 20 | ppm/°C | |

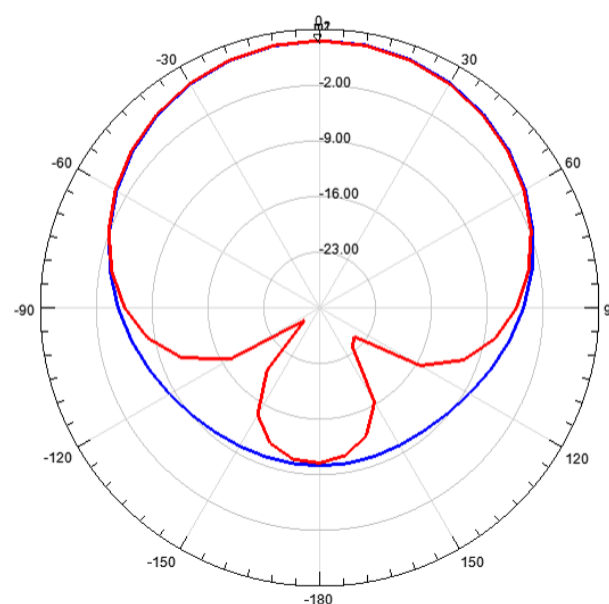
(*) Application environment, including size of the ground plane, proximity to adjacent components, etc., will affect stated performance. Fine tuning might be required when installed on end-customer's PCB. Abracon offers Antenna Optimization Service, please contact Abracon.

RETURN LOSS CHARACTERISTIC

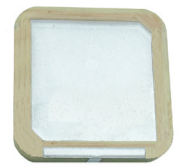


Return Loss characteristic shows a dual band response for GPS/Galileo & GLONASS

RADIATION PATTERN (X-Y PLANE)



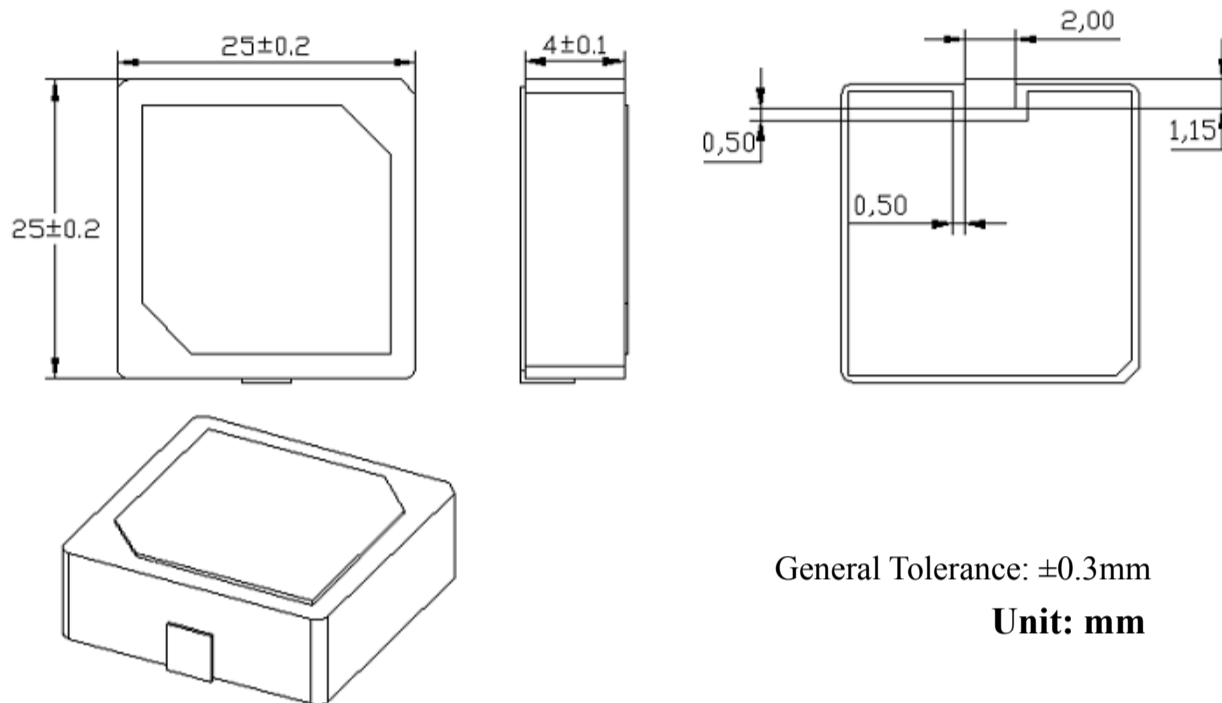
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APAKN2504-C2G-T

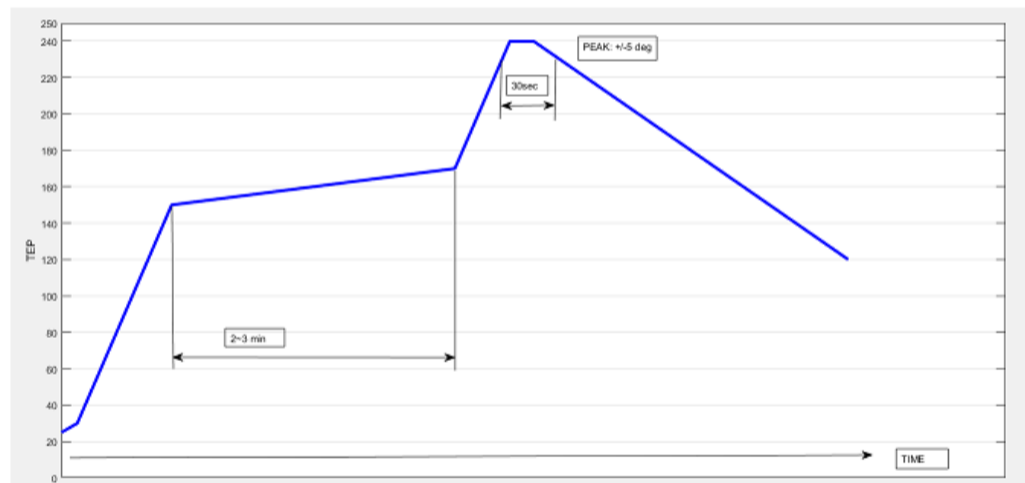
25.0 x 25.0 x 4.0mm
RoHS/RoHS II Compliant
MSL = 1

OUTLINE DIMENSIONS



REFLOW PROFILE

Solder Paste: Sn/Ag/Cu: 96.5/3.0/0.5
Recommended reflow condition:



PACKAGING

Package is made of corrugated paper with thickness of 0.8cm. Carton has 4 inner boxes; each box has 1 vacuum bag.

Quantity:

| | |
|---------------------------|-------------------|
| Per package base | : 50 elements |
| Per vacuum bag | : 5 package bases |
| Per inner box | : 1 vacuum bag |
| Per package | : 4 inner boxes |
| Total No of piece/package | : 1000 |
| Gross Weight | : 12 Kg |
| Carton Dimensions | : 37x37x17cm |