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

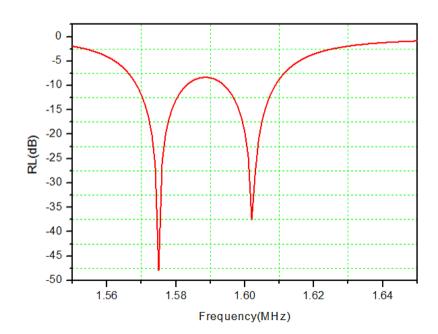
- GPS/GNSS
- Galileo
- GLONASS
- IoT
- Remote technology/monitoring
- M2M

ELECTRICAL SPECIFICATIONS

| Parameters | min | Тур. | 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



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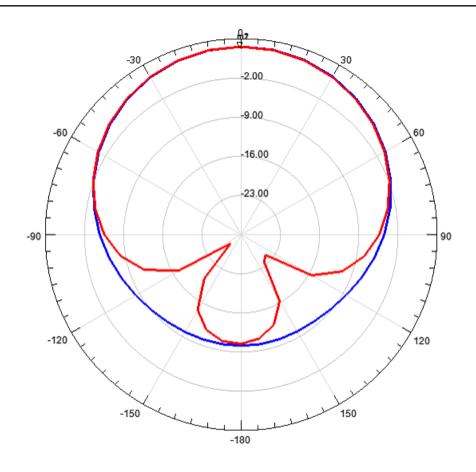
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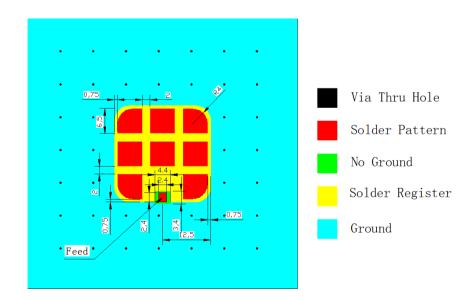
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RADIATION PATTERN (X-Y PLANE)



LANDING PATTERN





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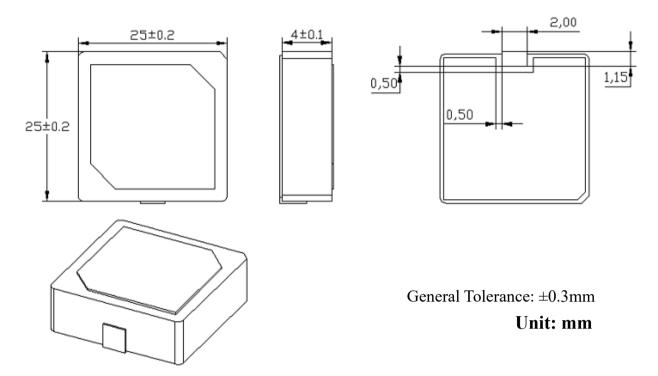
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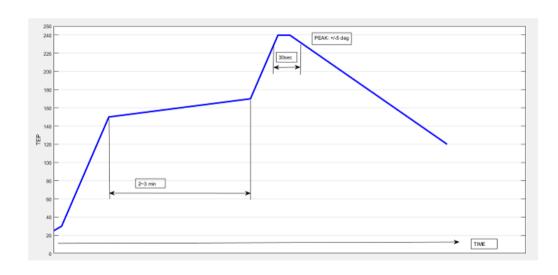
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OUTLINEDIMENSIONS



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



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