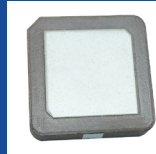


GPS/Galileo + GLONASS Ceramic Patch Antenna



APAKN1804-C2G-T

18.0 x 18.0 x 4.0mm
RoHS/RoHS II Compliant
MSL = 1

FEATURES

- Gain of 2.8 dBi
- 1575.42 and 1602 MHz bands
- RHCP polarization
- 18.0 x 18.0 x 4.0mm form factor

APPLICATIONS

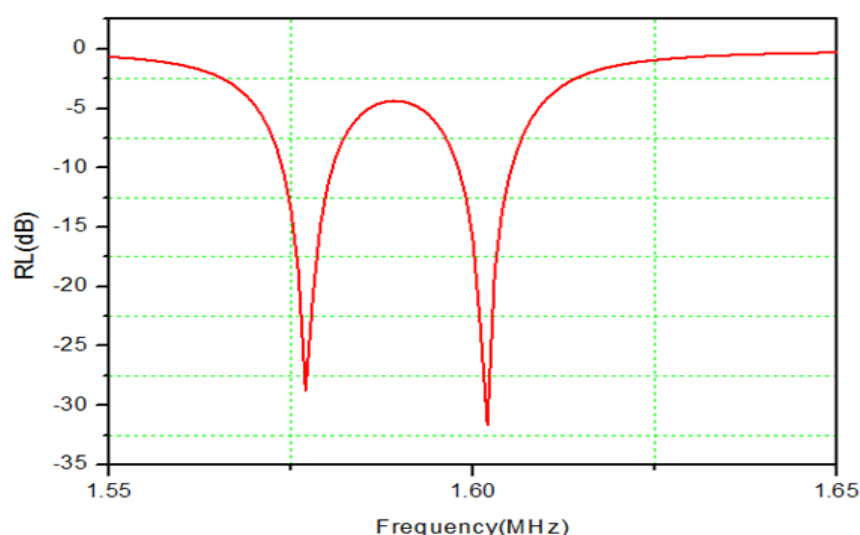
- GPS/GNSS
- Galileo
- GLONASS
- IoT
- Remote technology/monitoring
- M2M

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 | | 2.8 | | dBi | |
| Application Band: GLONASS | | 1602±5.0 | | MHz | (On a 70*70mm Ground Plane) |
| Return Loss: GLONASS | | | -10 | dB | |
| Gain (Peak): GLONASS | | 2.9 | | 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

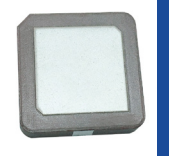


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REVISED: 05.11.2020

ABRACON IS
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CERTIFIED

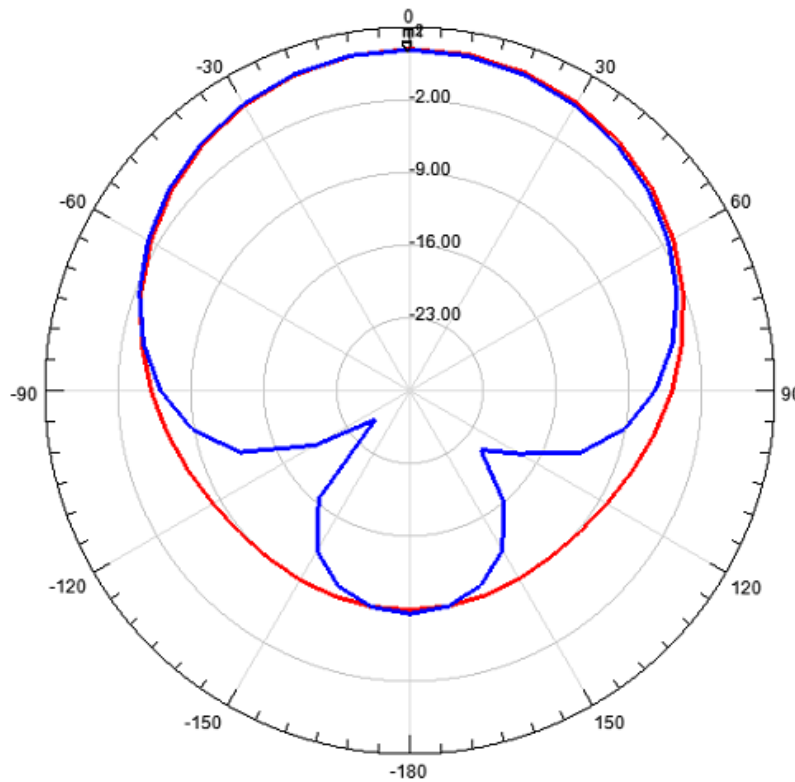
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RADIATION PATTERN (X-Y PLANE)



LANDING PATTERN

