

GNSS Chip Antenna

MODEL: CB501F

P/N: H2UJ4U1H2Q0100



Features

- Stable and reliable in performances
- Low profile, compact size
- RoHS 2.0 compliance
- SMT processes compatible
- AEC-Q200 compliant

Applications

- Smartphones
- Wearables
- Tablets
- Digital Cameras

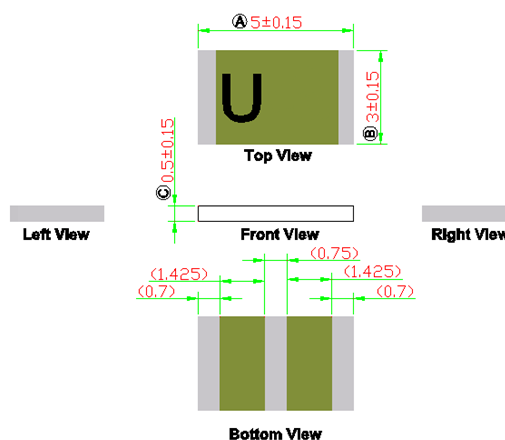
Specifications

| Items | Specifications | | | |
|--------------------------|---|-----------------------------------|--|-----------------------------------|
| Navigation | GPS L1/ GLONASS G1/ Galileo E1/ BDS B1/ QZSS L1 | GPS L2/ GLONASS G2/ QZSS L2 | GPS L5/ GLONASS G3/ Galileo E5/ BDS B2/ QZSS L5/ IRNSS L5 | Galileo E6/ BDS B3/ QZSS E6 |
| Frequencies (MHz) | 1575.42 | 1227.6 | 1176.45 | 1278.75 |
| VSWR | 2 Typ. | 3 Typ. | 2 Typ. | 5 Typ. |
| Efficiency (%) | 85 Typ. | 86 Typ. | 90 Typ. | 60 Typ. |
| Average Gain (dB) | -0.7 Typ. | -0.6 Typ. | -0.4 Typ. | -2.3 Typ. |
| Peak Gain (dBi) | 3.3 Typ. | 3.0 Typ. | 3.0 Typ. | 2.1 Typ. |
| Test Condition | 80 x 40 mm ² (Evaluation board) | | | |
| Impedance (Ω) | 50 | | | |
| Polarization | Linear Polarization | | | |

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| Mechanical Specifications | |
|-----------------------------------|-------------------------|
| Dimensions (mm) | 5 (L) x 3 (W) x 0.5 (H) |
| Material | Ceramic |
| Environmental Conditions | |
| Operation Temperature (°C) | -40 ~ +85 |
| Storage Temperature (°C) | -5 ~ +40 |
| Relative Humidity | 10 ~ 70 % |

Mechanical Dimensions (unit : mm)



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