1575.42MHZ; 25 x 25 x4mm GPS Patch Antenna



APAE1575R2540BBDB1-T

MSL level: Not Applicable

FEATURES:

- High Gain
- Compact Size and Low Profile
- Pin type
- Customization Available
- RoHS Compliance

STANDARD SPECIFICATIONS:

RoHS/ RoHS II compliant

TYPICAL APPLICATIONS:

Automotive navigation, Marine buoys, Surveying equipment, Cell phone, Laptop, Healthcare and medical monitoring devices, PND, PDA

| Parameters | Min. | Typ. | Max. | Units | Note |
|---|---------------|------|--------|--------|--|
| 1 al alliettel 8 | 141111. | ryp. | IVIAA. | Units | INOLE |
| Receiving Frequency Range | 1575.42±1.023 | | | MHz | |
| Center Frequency @ -10dB bandwidth ^(*) | 1580.0±3.0 | | | MHz | (with adhesive tape on 70x70mm ground plane) |
| -10dB Bandwidth | 15 | | | MHz | |
| Gain (Zenith@ 90°) | | 4.5 | | dBic | (Peak gain on standardized Ground Plane.) |
| VSWR at Center Frequency | | | 1.5 | | |
| Impedance | | 50 | | Ω | |
| Polarization Model | | RHCP | | | (Right Hand Circular Polarization) |
| Frequency Temperature Coefficient | | | 20 | ppm/°C | |

(*) Application environment, including size of ground plane will affect stated performance. Fine tuning might be required when installed on customer's PCB.

TEST CONDITIONS & TEST SETUP:

Parts shall be measured under a condition (Temp.: 20±15°C, Humidity: 65±20% R.H.)





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Е 1575R-В 25.0 x 25.0 x 4.0mm

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RoHS/ RoHS II compliant



Dimension: mm



ABRACON IS

ISO9001:2008

CERTIFIED

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PACKAGING:

"T" is for a vacuum sealed tray containing 50 units. 1000 pieces is the suggested quantity containing 20-trays with 50-pcs per Tray.

NOTE: This product is vacuum packaged to reduce the possibility of oxidation and/or contamination during storage.



CAUTION:

- (1) Do not apply excess mechanical stress to the component body or terminations. Do not attempt to re-form or bend the components as this will cause damage to the component.
- (2) Do not expose the component to open flame.
- (3) This specification applies to the functionality of the component as a single unit. Please insure the component is thoroughly evaluated in the application circuit.

NOTE:

1) The parts are manufactured in accordance with this specification. If other conditions and specifications which are required for this specification, please contact ABRACON for more information.

ABRACON will supply the parts in accordance with this specification unless we receive a written request to modify prior to an order placement.
In no case shall ABRACON be liable for any product failure from in appropriate handling or operation of the item beyond the scope of this specification.

4) When changing your production process, please notify ABRACON immediately.

5) ABRACON Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. ABRACON's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from ABRACON Corporation is required. Please contact ABRACON Corporation for more information.

6) All specifications and Marking will be subject to change without notice.

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