

Telecoil-antennas Inductors

PAS1225V-SERIES

1. Features

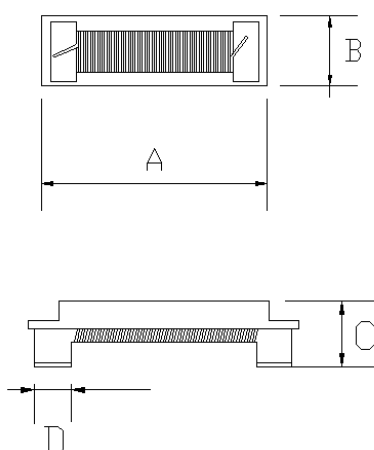
1. Hearing Aid Compatibility-/Telecoil-antennas;
2. PAS1225V-series realizes small size and low profile. 11.6x3.8x2.5mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Meets the T3/T4 FCC requirements(HAC) . ANSI C63.19
5. High reliability -Reliability tests comply with AEC-Q200
6. Operating temperature -55~+125°C (Including self - temperature rise)



2. Applications

1. T-coil/HAC-coil for hearing and aid compatible cell phones .
2. Decoupling in RF and IF-circuit .
3. Transponder antenna .

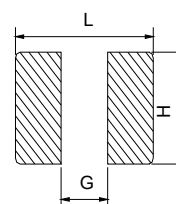
3. Dimensions



| Size | A(mm) | B(mm) | C(mm) | D(mm) |
|----------|----------|---------|---------|-----------|
| PAS1225V | 11.6±0.3 | 3.8±0.3 | 2.5±0.3 | 1.50 ref. |

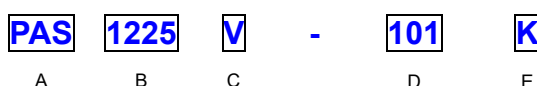
Unit:mm

Recommend PC Board Pattern



| L(mm) | G(mm) | H(mm) |
|-------|-------|-------|
| 11.6 | 8.0 | 3.6 |

4. Part Numbering



A: Series
 B: Dimension L x H
 C: Category Code V=Vehicle
 D: Inductance 101=100uH
 E: Inductance Tolerance K=±10% , J=±5%

| Part Number | Inductance (uH) | Test Frequency (Hz) | Q min. | RDC (Ω)max. | Rated current (mA) max. | SRF (MHz) min. |
|---------------|-----------------|---------------------|--------|-------------|-------------------------|----------------|
| PAS1225V-101K | 100±10% | 0.1V/125K | 20 | 3.0 | 300 | 20.0 |
| PAS1225V-201K | 200±10% | 0.1V/125K | 20 | 6.0 | 200 | 2.00 |
| PAS1225V-492J | 4900±5% | 0.1V/125K | 20 | 50.0 | 50 | 0.34 |
| PAS1225V-722J | 7200±5% | 0.1V/125K | 40 | 40.0 | 50 | 0.30 |