

Transponder Coils

PASU1225V-SERIES

1. Features

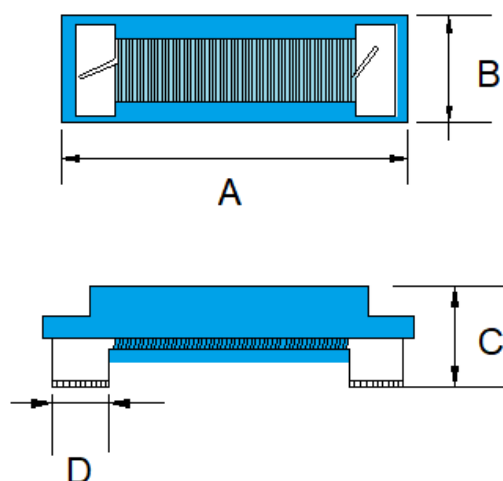
1. Suitable for pick and place and AOI (Automatic Optical Inspection)
2. PASU1225V-series realizes small size and low profile. 11.6x3.8x2.5mm.
3. All coated structure for better wiring protection.
4. 100% Lead (Pb) & Halogen-Free and RoHS compliant.
5. Suitable for lead-free reflow soldering
6. High reliability -Reliability tests comply with AEC-Q200
7. Operating temperature -55~+125°C (Including self - temperature rise)
8. Patent pending



2. Applications

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

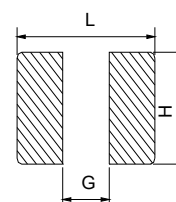
3. Dimensions



| Size | A(mm) | B(mm) | C(mm) | D(mm) |
|-----------|------------|-----------|-----------|-----------|
| PASU1225V | 11.60±0.30 | 3.80±0.30 | 2.50±0.30 | 1.50 ref. |

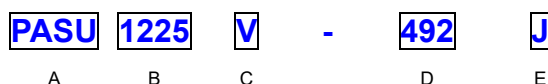
Unit:mm

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 492=4900uH
 E: Inductance Tolerance J=±5%

5. Specification

| Part Number | Inductance (uH) | Test Frequency (Hz) | Q min. | RDC (Ω) max. | Rated current (mA) max. | SRF (MHz) Typ. |
|----------------|-----------------|---------------------|--------|--------------|-------------------------|----------------|
| PASU1225V-492J | 4900±5% | 0.1V/125K | 20 | 50 | 50 | 0.34 |
| PASU1225V-722J | 7200±5% | 0.1V/125K | 40 | 40 | 50 | 0.30 |