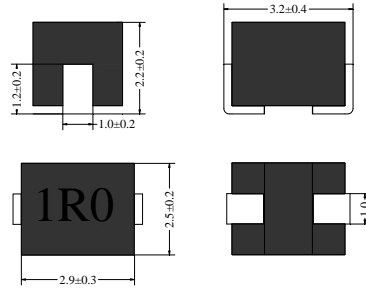


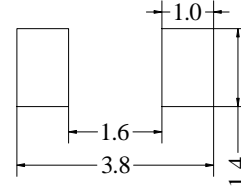
Inductance Range: 1.0μH~100μH
Temperature Range: -40°C~+125°C

PEM322522A Series

DIMENSIONS(mm)



LAND PATTERNS(mm) CONSTRUCTION



Shield



FEATURES:

- Quantity / Reel:2000pcs
- Small products, Round 3.5mm, Height 2.4mm Typ.
- High resistance to heat and humidity. Accurate dimensions for automatically surface mounted. Good heat durability that withstands lead-free compatible reflow soldering conditions
- Audio-visual equipment including TVs,VCRs and digital cameras.Electronic equipment used in onboard automobile equipment including car audio and ECU systems.Electronic equipment used in communication infrastructures including xDSL and mobile base stations.
- Design to customer requirement

RoHS Compliant(SGS Certified Result)

<1000ppm

ND

ND

ND

PBDEs

ND



Electrical Characteristics:

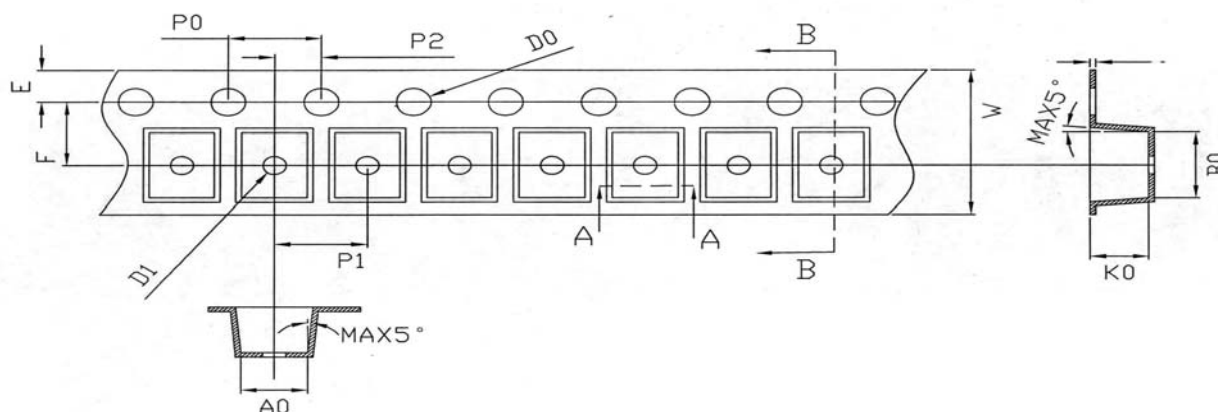
| Part No. | Inductance (μH) | Inductance tolerance | Q min. | Test frequency L,Q (MHz) | Self-resonant frequency (MHz)min. | DC resistance (Ω) max. | Rated current. (mA)max. |
|-----------------|-----------------|----------------------|--------|--------------------------|-----------------------------------|------------------------|-------------------------|
| PEM322522A-1R0X | 1.0 | ±20% | 10 | 7.96 | 100 | 0.156 | 770 |
| PEM322522A-1R5X | 1.5 | ±20% | 10 | 7.96 | 80 | 0.195 | 580 |
| PEM322522A-2R2X | 2.2 | ±20% | 10 | 7.96 | 65 | 0.260 | 480 |
| PEM322522A-3R3X | 3.3 | ±20% | 10 | 7.96 | 55 | 0.325 | 400 |
| PEM322522A-4R7X | 4.7 | ±20% | 10 | 7.96 | 45 | 0.520 | 320 |
| PEM322522A-6R8X | 6.8 | ±20% | 10 | 7.96 | 35 | 0.650 | 280 |
| PEM322522A-100X | 10 | ±10% | 15 | 2.52 | 28 | 1.105 | 220 |
| PEM322522A-150X | 15 | ±10% | 15 | 2.52 | 25 | 1.69 | 180 |
| PEM322522A-220X | 22 | ±10% | 15 | 2.52 | 20 | 2.60 | 145 |
| PEM322522A-330X | 33 | ±10% | 15 | 2.52 | 15 | 3.64 | 115 |
| PEM322522A-390X | 39 | ±10% | 15 | 2.52 | 14 | 4.50 | 110 |
| PEM322522A-470X | 47 | ±10% | 15 | 2.52 | 13 | 5.46 | 105 |
| PEM322522A-560X | 56 | ±10% | 15 | 2.52 | 11 | 7.05 | 95 |
| PEM322522A-680X | 68 | ±10% | 15 | 2.52 | 10 | 8.45 | 85 |
| PEM322522A-820X | 82 | ±10% | 15 | 2.52 | 9 | 8.71 | 80 |
| PEM322522A-101X | 100 | ±10% | 15 | 0.796 | 8 | 9.14 | 75 |

- 1、 Inductance is measured with a LCR meter:HP4284A & 3532-50 or equivalent.
- 2、 D.C .R is measured with a Digital Multimeter TH2512B or equivalent.
- 3、 Rated Current: The rated current is the current at which the inductance decreases by 25% from the initial value or the temperature

rise is $\Delta T=40^{\circ}\text{C}$,whichever is smaller($T_a=20^{\circ}\text{C}$).

PACKAGING: :

1 100 grids (400mm) of empty space in the front,and 500mm of masking tape to be extended;50 grids (200mm) of empty space in the rear



2 Dimensions of packing tape: mm

| E | F | P2 | D0 | D1 | P0 | W | P1 | A0 | B0 | K0 | t |
|------|------|-----|-----|-----|-----|-----|-----|------|------|------|------|
| 1.75 | 3.50 | 2.0 | 1.5 | 1.0 | 4.0 | 8.0 | 4.0 | 2.88 | 3.65 | 2.50 | 0.26 |

3. Dimensions of the reel: mm

| A | B | C | D | G | N | T |
|-----|----|----|---|--------|--------|----------|
| 178 | 21 | 13 | 8 | 10 Max | 50 Min | 14.4 Max |

4. Packing Quantity and dimensions

| Reel | Inner Box (mm) | 外箱 Outer Box (mm) |
|---------------------------|----------------------------|------------------------------------|
| 2000PCS/ Reel pieces/Reel | 12000PCS /pieces/Inner Box | 120000/240000PCS /pieces/Outer Box |
| 7" | 185×185×70 | 380×205×380/380×380×380 |