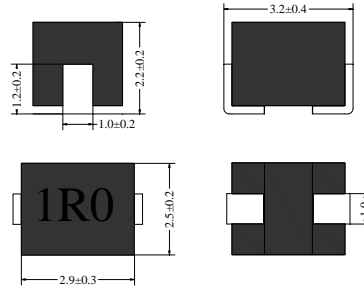


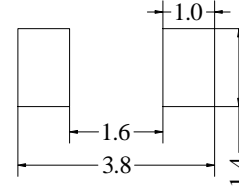
Inductance Range: 0.1μH~220μH  
 Temperature Range: -40℃~+125℃

### PEM322522 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:

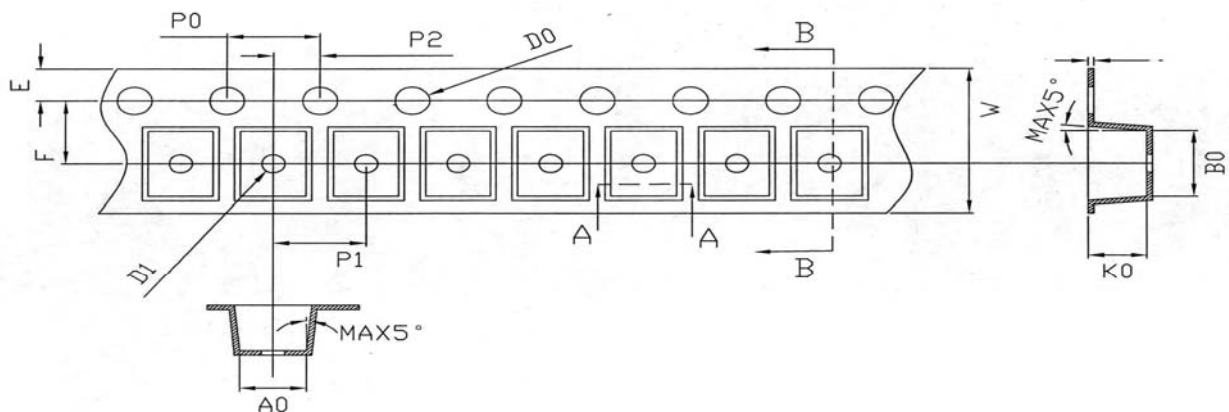
Part No.	Inductance (μH)	Inductance tolerance	Q min.	Test frequency L,Q (MHz)	Self-resonant frequency (MHz)min.	DC resistance (Ω) max.	Rated current. (mA)max.
PEM322522-R10X	0.1	±20,±10%	28	100	700	0.44	450
PEM322522-R12X	0.12	±20,±10%	30	25.2	500	0.22	450
PEM322522-R15X	0.15	±20,±10%	30	25.2	450	0.25	450
PEM322522-R18X	0.18	±20,±10%	30	25.2	400	0.28	450
PEM322522-R22X	0.22	±20,±10%	30	25.2	350	0.32	450
PEM322522-R27X	0.27	±20,±10%	30	25.2	320	0.36	450
PEM322522-R33X	0.33	±20,±10%	30	25.2	300	0.4	450
PEM322522-R39X	0.39	±20,±10%	30	25.2	250	0.45	450
PEM322522-R47X	0.47	±20,±10%	30	25.2	220	0.5	450
PEM322522-R56X	0.56	±20,±10%	30	25.2	180	0.55	450
PEM322522-R68X	0.68	±20,±10%	30	25.2	160	0.6	450
PEM322522-R82X	0.82	±20,±10%	30	25.2	140	0.65	450
PEM322522-1R0X	1.0	±10,±5%	30	7.96	120	0.7	400
PEM322522-1R2X	1.2	±10,±5%	30	7.96	100	0.75	390
PEM322522-1R5X	1.5	±10,±5%	30	7.96	85	0.85	370
PEM322522-1R8X	1.8	±10,±5%	30	7.96	80	0.9	350
PEM322522-2R2X	2.2	±10,±5%	30	7.96	75	1	320
PEM322522-2R7X	2.7	±10,±5%	30	7.96	70	1.1	290
PEM322522-3R3X	3.3	±10,±5%	30	7.96	60	1.2	260
PEM322522-3R9X	3.9	±10,±5%	30	7.96	55	1.3	250
PEM322522-4R7X	4.7	±10,±5%	30	7.96	50	1.5	220
PEM322522-5R6X	5.6	±10,±5%	30	7.96	45	1.6	200
PEM322522-6R8X	6.8	±10,±5%	30	7.96	40	1.8	180
PEM322522-8R2X	8.2	±10,±5%	30	7.96	35	2	170
PEM322522-100X	10	±10,±5%	30	2.52	30	2.1	150
PEM322522-120X	12	±10,±5%	30	2.52	20	2.5	140
PEM322522-150X	15	±10,±5%	30	2.52	20	2.8	130
PEM322522-180X	18	±10,±5%	30	2.52	20	3.3	120
PEM322522-220X	22	±10,±5%	30	2.52	20	3.7	110

PEM322522-270X	27	±10,±5%	30	2.52	20	5	80
PEM322522-330X	33	±10,±5%	30	2.52	17	5.6	70
PEM322522-390X	39	±10,±5%	30	2.52	16	6.4	65
PEM322522-470X	47	±10,±5%	30	2.52	15	7	60
PEM322522-560X	56	±10,±5%	30	2.52	13	8	55
PEM322522-680X	68	±10,±5%	30	2.52	12	9	50
PEM322522-820X	82	±10,±5%	30	2.52	11	10	45
PEM322522-101X	100	±10,±5%	20	0.796	10	10	40
PEM322522-121X	120	±10,±5%	20	0.796	10	11	70
PEM322522-151X	150	±10,±5%	20	0.796	8	15	65
PEM322522-181X	180	±10,±5%	20	0.796	7	17	60
PEM322522-221X	220	±10,±5%	20	0.796	7	21	50

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