

TOKO DEM2812C SAMPLE KIT DATA SHEET

DEM2812C



Features

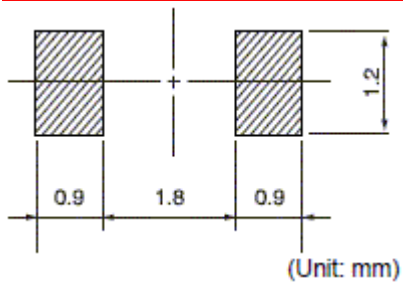
- Low profile (2.8x3.0mm. square, 1.2mm Max. height).
- Magnetically shielded construction and low DC resistance.
- Ideal for a variety of DC-DC converter inductor applications.
- RoHS compliant.
- Halogen free.

Electrical characteristics

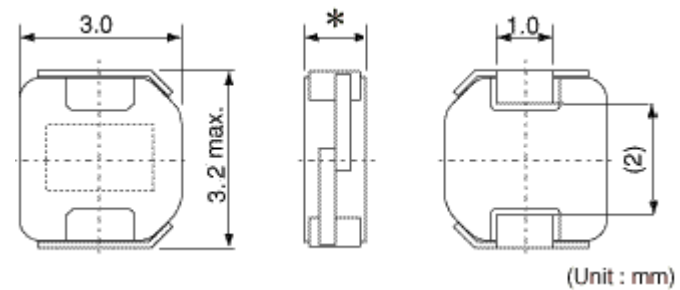
Inductance range

DEM2812C : 0.47~12 μ H

Recommended patterns



Dimensions



* DEM2812C : 1.2mm Max.

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<u>TOKO PART NUMBER</u>	<u>INDUCTANCE (μH)</u>	<u>TOLERANCE (%)</u>	<u>DC RESISTANCE (mΩ) Max. (Typ.)</u>	<u>Temperature Rise Current⁽³⁾ T=40C (A) Max. (Typ.)</u>	<u>QUANTITY PER SAMPLE BOX</u>
1225AS-H-R47N	0.47	+/-30	31 (26)	3.10 (3.70)	5
1225AS-H-R68N	0.68	+/-30	37 (31)	2.90 (3.40)	5
1225AS-H-1R0N	1.0	+/-30	43 (36)	2.70 (3.20)	5
1225AS-H-1R5N	1.5	+/-30	52 (43)	2.40 (2.80)	5
1225AS-H-2R2M	2.2	+/-20	70 (58)	2.00 (2.40)	5
1225AS-H-3R3M	3.3	+/-20	96 (80)	1.50 (1.80)	5
1225AS-H-4R7M	4.7	+/-20	126 (105)	1.40 (1.60)	5
1225AS-H-6R8M	6.8	+/-20	204 (170)	1.10 (1.30)	5
1225AS-H-100M	10.0	+/-20	300 (250)	0.85 (1.00)	5
1225AS-H-120M	12.0	+/-20	350 (290)	0.76 (0.95)	5

1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 100kHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)

(3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)