

TOKO DS75LC SAMPLE KIT DATA SHEET

DS75LC



Features

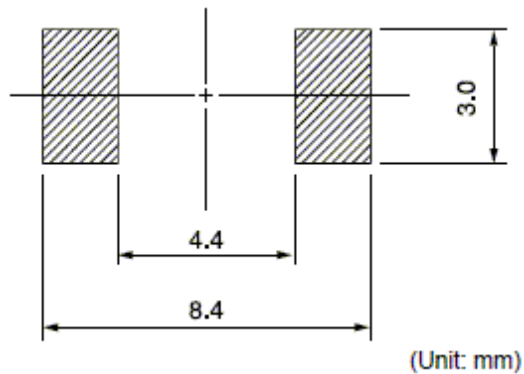
- 7.6 mm Max. square and 5.0 mm Max. height.
- Magnetically shielded construction and low DC resistance.
- Suitable for large currents.
- RoHS compliant.

Electrical characteristics

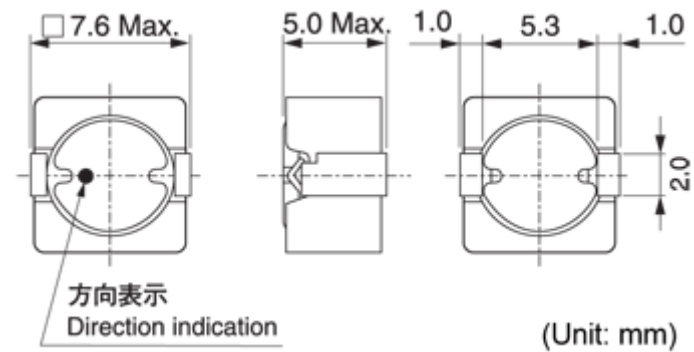
Inductance range

1.0~470 μ H

Recommended pattern



Dimensions



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<u>TOKO PART NUMBER</u>	<u>INDUCTANCE (μH)</u>	<u>TOLERANCE (%)</u>	<u>DC RESISTANCE (mΩ) Max. (Typ.)</u>	<u>Inductance Decrease Current (A) Max. (Typ.)</u>	<u>Temperature Rise Current⁽³⁾ T=40C (A) Max. (Typ.)</u>	<u>QUANTITY PER SAMPLE BOX</u>
B1047AS-1R0N	1.0	+/-30%	12 (10)	9.20 (12.3)	6.40 (7.60)	5
B1047AS-1R5N	1.5	+/-30%	14 (11)	7.70 (10.3)	5.90 (7.00)	5
B1047AS-2R2N	2.2	+/-30%	16 (13)	6.50 (8.7)	5.50 (6.50)	5
B1047AS-2R7N	2.7	+/-30%	18 (15)	5.60 (7.6)	5.10 (6.00)	5
B1047AS-3R6N	3.6	+/-30%	23 (19)	5.00 (6.7)	4.40 (5.20)	5
B1047AS-4R7N	4.7	+/-30%	26 (21)	4.50 (6.0)	3.50 (4.10)	5
B1047AS-5R6N	5.6	+/-30%	32 (27)	4.00 (5.4)	3.50 (4.10)	5
B1047AS-6R8N	6.8	+/-30%	36 (30)	3.60 (4.9)	3.40 (4.00)	5
B1047AS-8R2N	8.2	+/-30%	42 (35)	3.20 (4.3)	3.00 (3.60)	5
B1047AS-100M	10	+/-20%	53 (44)	2.90 (3.9)	2.70 (3.20)	5
B1047AS-120M	12	+/-20%	63 (52)	2.70 (3.7)	2.40 (2.80)	5
B1047AS-150M	15	+/-20%	71 (59)	2.40 (3.3)	2.20 (2.60)	5
B1047AS-180M	18	+/-20%	110 (84)	2.20 (2.9)	1.90 (2.20)	5
B1047AS-220M	22	+/-20%	120 (92)	2.00 (2.7)	1.80 (2.10)	5
B1047AS-270M	27	+/-20%	130 (105)	1.80 (2.5)	1.60 (1.90)	5
B1047AS-330M	33	+/-20%	170 (135)	1.64 (2.2)	1.50 (1.70)	5
B1047AS-390M	39	+/-20%	180 (145)	1.50 (2.0)	1.40 (1.60)	5
B1047AS-470M	47	+/-20%	200 (160)	1.38 (1.8)	1.30 (1.50)	5
B1047AS-560M	56	+/-20%	230 (185)	1.24 (1.7)	1.20 (1.40)	5
B1047AS-680M	68	+/-20%	280 (230)	1.13 (1.5)	1.00 (1.20)	5
B1047AS-820M	82	+/-20%	320 (260)	1.00 (1.4)	0.94 (1.10)	5
B1047AS-101M	100	+/-20%	460 (380)	0.94 (1.3)	0.77 (0.91)	5
B1047AS-151M	150	+/-20%	710 (5850)	0.76 (1.0)	0.60 (0.71)	5
B1047AS-221M	220	+/-20%	1100 (915)	0.62 (0.8)	0.47 (0.55)	5
B1047AS-331M	330	+/-20%	1400 (1160)	0.51 (0.7)	0.41 (0.48)	5
B1047AS-471M	470	+/-20%	1700 (1400)	0.43 (0.6)	0.37 (0.44)	5

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- 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)