

TOKO D53LC SAMPLE KIT DATA SHEET (LOW DC RESISTANCE)

D53LC



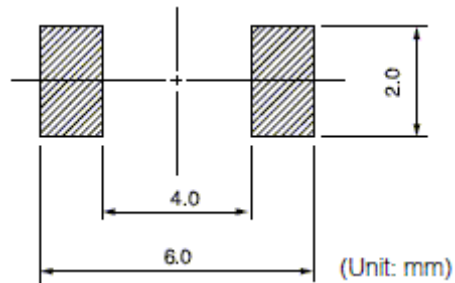
Features

- Low profile (5.2mm Max. square, 3.0mm Max. height).
- Magnetically shielded construction and low DC resistance.
- Suitable for large currents.
- Ideal for a variety of DC-DC converter inductor applications.
- RoHS compliant.

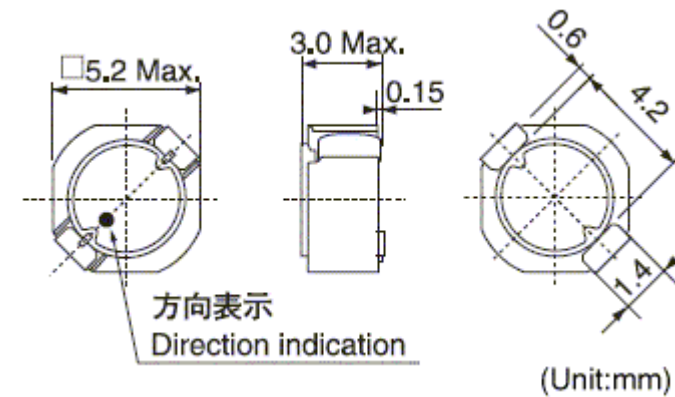
Electrical characteristics

Inductance range	4.7~220 μ H
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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>Temperature Rise Current⁽³⁾ T=40C (A) Max. (Typ.)</u>	<u>QUANTITY PER SAMPLE BOX</u>
#A915BY-4R7M	4.7	+/-20	35 (29)	2.31 (2.72)	5
#A915BY-6R8M	6.8	+/-20	50 (42)	1.93 (2.27)	5
#A915BY-100M	10.0	+/-20	67 (56)	1.60 (1.88)	5
#A915BY-150M	15.0	+/-20	97 (81)	1.36 (1.60)	5
#A915BY-220M	22.0	+/-20	135 (112)	1.19 (1.40)	5
#A915BY-330M	33.0	+/-20	206 (172)	0.92 (1.09)	5
#A915BY-470M	47.0	+/-20	268 (224)	0.80 (0.94)	5
#A915BY-680M	68.0	+/-20	371 (309)	0.68 (0.80)	5
#A915BY-101M	100.0	+/-20	569 (474)	0.54 (0.64)	5
#A915BY-151M	150.0	+/-20	940 (785)	0.40 (0.47)	5
#A915BY-221M	220.0	+/-20	1200 (995)	0.35 (0.41)	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)