

# TOKO D53LC SAMPLE KIT DATA SHEET (HIGH CURRENT TYPE)

## D53LC



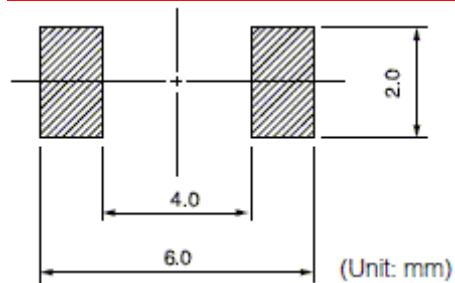
## Features

- 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.

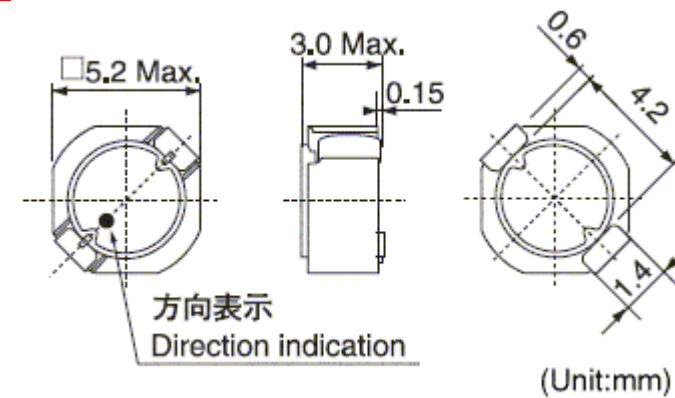
## Electrical characteristics

Inductance range	1.1~220 $\mu$ H
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## Recommended pattern



## Dimensions



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<u>TOKO PART NUMBER</u>	<u>INDUCTANCE (<math>\mu</math>H)</u>	<u>TOLERANCE (%)</u>	<u>DC RESISTANCE (m<math>\Omega</math>) Max. (Typ.)</u>	<u>Temperature Rise Current<sup>(3)</sup> T=40C (A) Max. (Typ.)</u>	<u>QUANTITY PER SAMPLE BOX</u>
#A915AY-1R1M	1.1	+/-20	20 (16)	3.46 (4.07)	5
#A915AY-2R0M	2.0	+/-20	27 (22)	2.80 (3.30)	5
#A915AY-3R3M	3.3	+/-20	34 (29)	2.40 (2.83)	5
#A915AY-4R7M	4.7	+/-20	45 (38)	2.13 (2.51)	5
#A915AY-6R8M	6.8	+/-20	68 (57)	1.75 (2.06)	5
#A915AY-100M	10.0	+/-20	90 (75)	1.49 (1.76)	5
#A915AY-150M	15.0	+/-20	142 (118)	1.16 (1.37)	5
#A915AY-220M	22.0	+/-20	208 (173)	0.86 (1.01)	5
#A915AY-330M	33.0	+/-20	257 (214)	0.80 (0.94)	5
#A915AY-470M	47.0	+/-20	352 (293)	0.68 (0.80)	5
#A915AY-680M	68.0	+/-20	525 (437)	0.55 (0.65)	5
#A915AY-101M	100.0	+/-20	801 (667)	0.46 (0.55)	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)