

TOKO D52LC SAMPLE KIT SPEC SHEET

D52LC



Features

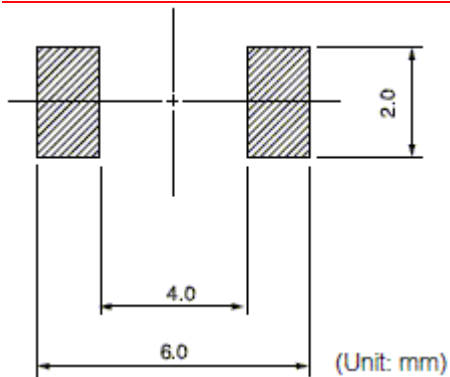
- Low profile (5.2mm Max. square, 2.0mm Max. height).
- Magnetically shielded construction and low DC resistance.
- Suitable for large currents.
- Ideal for a variety of DC-DC converter inductor applications.
- RoHS compliant.

Electrical characteristics

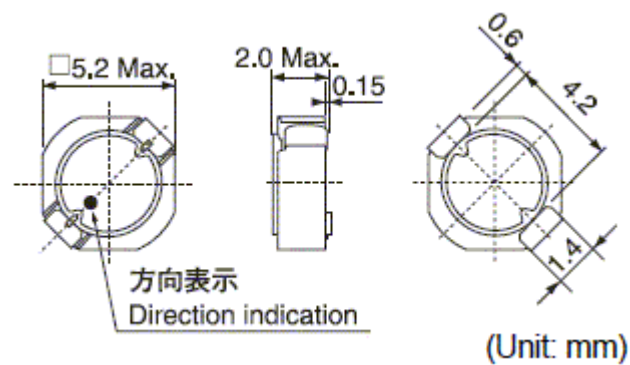
Inductance range

1.2~100 μ H

Recommended pattern



Dimensions



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| TOKO PART NUMBER | INDUCTANCE (μH) | TOLERANCE (%) | DC RESISTANCE (mΩ) Max. (Typ.) | Temperature Rise Current⁽³⁾ T=40C (A) Max. (Typ.) | QUANTITY PER SAMPLE BOX |
|-----------------------------|---|--------------------------|---|---|------------------------------------|
| #A914BYW-1R2M | 1.2 | +/-20% | 44 (37) | 2.44 (2.87) | 5 |
| #A914BYW-2R2M | 2.2 | +/-20% | 59 (49) | 1.74 (2.06) | 5 |
| #A914BYW-3R5M | 3.5 | +/-20% | 73 (61) | 1.54 (1.82) | 5 |
| #A914BYW-4R7M | 4.7 | +/-20% | 87 (72) | 1.30 (1.54) | 5 |
| #A914BYW-6R8M | 6.8 | +/-20% | 105 (84) | 1.17 (1.38) | 5 |
| #A914BYW-100M | 10.0 | +/-20% | 150 (125) | 0.93 (1.10) | 5 |
| #A914BYW-150M | 15.0 | +/-20% | 210 (175) | 0.77 (0.91) | 5 |
| #A914BYW-220M | 22.0 | +/-20% | 275 (230) | 0.70 (0.83) | 5 |
| #A914BYW-330M | 33.0 | +/-20% | 455 (375) | 0.51 (0.61) | 5 |
| #A914BYW-470M | 47.0 | +/-20% | 730 (605) | 0.38 (0.45) | 5 |
| #A914BYW-680M | 68.0 | +/-20% | 935 (780) | 0.35 (0.42) | 5 |
| #A914BY-101M | 100.0 | +/-20% | 1500 (1250) | 0.26 (0.31) | 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)