TOKO D104C SAMPLE KIT DATA SHEET

D104C

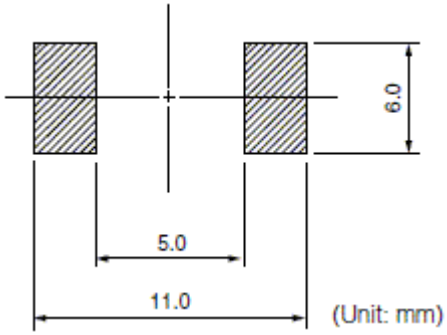
Features

- 10.3mm Max. square and 4.5mm Max. height.
- Magnetically shielded construction and low DC resistance.
- Suitable for large current.
- Ideal for DC-DC converter inductor.
- RoHS compliant.

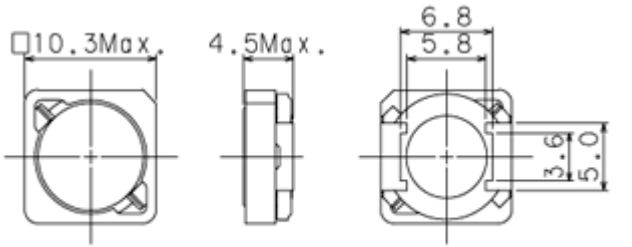
Electrical characteristics

Inductance range	1～47µH

Recommended pattern



Dimensions



(Unit: mm)

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TOKO PART NUMBER	INDUCTANCE (µH)	TOLERANCE (%)	DC RESISTANCE (mΩ) Max. (Typ.)	Inductance Decrease Current (A) Max. (Typ.)	Temperature Rise Current(3) T=40C (A) Max. (Typ.)	QUANTITY PER SAMPLE BOX
#919AS-1R0N	1.0	+/-30%	5.9	13.6	9.7	5
#919AS-1R8N	1.8	+/-30%	7.6	10.4	9.5	5
#919AS-2R8M	2.8	+/-20%	10.7	8.3	6.1	5
#919AS-3R7M	3.7	+/-20%	14.2	7.0	5.3	5
#919AS-4R7M	4.7	+/-20%	16.2	6.1	5.2	5
#919AS-6R4M	6.4	+/-20%	22.9	5.2	4.8	5
#919AS-100M	10.0	+/-20%	26.5	4.3	4.5	5
#919AS-160M	16.0	+/-20%	49.2	3.3	3.7	5
#919AS-220M	22.0	+/-20%	77.6	3.0	2.5	5
#919AS-270M	27.0	+/-20%	88.3	2.7	2.4	5
#919AS-330M	33.0	+/-20%	102.0	2.4	2.1	5
#919AS-470M	47.0	+/-20%	150.0	1.8	1.8	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)