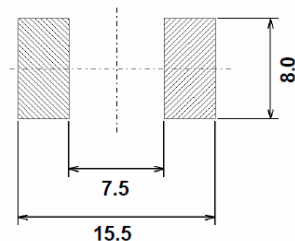
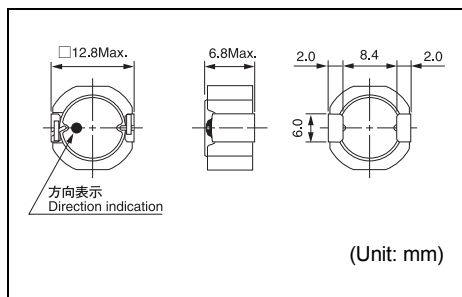
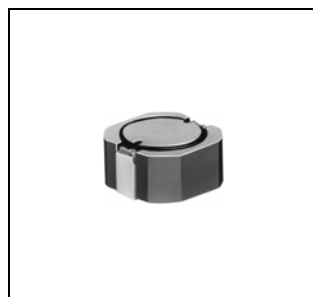


DSH126C

Inductance Range: 1.8~470μH

Recommended patterns 推奨パターン図



(Unit: mm)

FEATURES 特長

- High reliability for vehicle application.
- Operating temperature range : -55°C~+125°C
- 12.8mm Max. square, 6.8mm 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.
- 車載機器向け信頼性向上品
- 使用温度範囲 : -55°C~+125°C
- 12.8mm角Max. 高さ6.8mm Max.
- 閉磁路構造、低直流抵抗
- 大電流対応
- 各種機器のDC-DCコンバータ用インダクタに最適
- RoHS指令対応

TOKO STANDARD PART NUMBERS 東光 標準品一覧

TYPE DSH126C (With Ferrite Shield) 閉磁路タイプ(リングコア有り) (Quantity/reel; 500 PCS)

東光品番	インダクタンス ⁽¹⁾	許容差	直流抵抗 ⁽²⁾	直流重畳許容電流 ⁽³⁾	温度上昇許容電流 ⁽³⁾
TOKO Part Number	Inductance ⁽¹⁾ L (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max.(Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max.(Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽³⁾ $\Delta T = 20^\circ\text{C}$ (A) Max.(Typ.)
A1009AYW-1R8N	1.8	± 30	10 (8.3)	10.0 (14.0)	6.3 (7.4)
A1009AYW-2R7N	2.7	± 30	12 (9.6)	8.5 (11.4)	5.3 (6.3)
A1009AYW-3R9N	3.9	± 30	15 (11)	7.1 (9.5)	4.9 (5.8)
A1009AYW-5R6N	5.6	± 30	16 (13)	6.0 (8.1)	4.5 (5.4)
A1009AYW-7R5N	7.5	± 30	22 (17)	5.2 (6.9)	3.8 (4.5)
A1009AYW-100M	10	± 20	24 (19)	4.8 (6.4)	3.5 (4.2)
A1009AYW-150M	15	± 20	32 (25)	3.8 (5.0)	3.0 (3.6)
A1009AYW-220M	22	± 20	43 (36)	3.3 (4.5)	2.4 (2.8)
A1009AYW-330M	33	± 20	65 (53)	2.5 (3.4)	2.0 (2.4)
A1009AYW-470M	47	± 20	105 (85)	2.0 (2.7)	1.5 (1.7)
A1009AYW-680M	68	± 20	135 (106)	1.8 (2.4)	1.3 (1.5)
A1009AYW-101M	100	± 20	170 (143)	1.5 (2.0)	1.1 (1.4)
A1009AYW-151M	150	± 20	280 (226)	1.2 (1.6)	0.85 (1.0)
A1009AYW-221M	220	± 20	410 (336)	0.99 (1.3)	0.72 (0.85)
A1009AYW-331M	330	± 20	555 (461)	0.80 (1.1)	0.57 (0.68)
A1009AYW-471M	470	± 20	780 (652)	0.65 (0.88)	0.49 (0.58)

(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 inductance decrease current, or temperature rise current, whichever is smaller.

• Inductance decrease current : The inductance value decreases 30% by the excitation of DC current. (reference ambient temperature 125°C)

• Temperature rise current : The temperature rises 20°C by excitation of DC current. (reference ambient temperature 20°C)

(1) インダクタンスはLCRメータ4284A(Agilent Technologies)または同等品により測定する。
測定周波数は100kHz。

(2) 直流抵抗は測定器34420A (Agilent Technologies) または3541 (HIOKI) と同等品により測定する。(周囲温度25°C)

(3) 最大許容電流 : 直流重畳許容電流値と温度上昇許容電流値の何れか小さい値。

• 直流重畳許容電流 : 直流重畳特性においてインダクタンス値が30%低下した時の電流値。(周囲温度125°C)

• 温度上昇許容電流 : 直流を流した時の巻線温度上昇が20°Cに達する電流値。(周囲温度20°C)