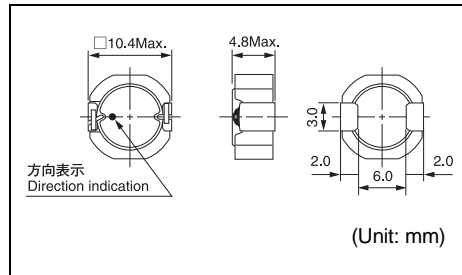
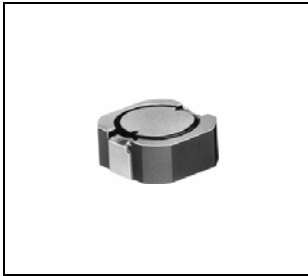
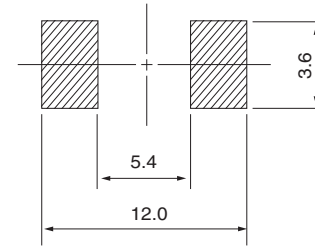


DSH104C

Inductance Range: 1.2~220 μ H



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
- 10.4mm Max. square, 4.8mm 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
- 10.4mm角Max. 高さ4.8mm 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 DSH104C (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 (μ H)	Tolerance (%)	DC Resistance ⁽²⁾ (m Ω) Max.	Inductance Decrease Current ⁽³⁾ (A) Max. $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽³⁾ $\Delta T = 20^\circ\text{C}$ (A) Max.
A1008AYW-1R2N	1.2	± 30	12	8.80	4.80
A1008AYW-1R8N	1.8	± 30	15	7.10	4.10
A1008AYW-2R7N	2.7	± 30	17	5.90	3.80
A1008AYW-3R6N	3.6	± 30	20	5.10	3.50
A1008AYW-4R7N	4.7	± 30	27	4.40	2.90
A1008AYW-6R2N	6.2	± 30	36	3.90	2.50
A1008AYW-100M	10.0	± 20	47	3.20	2.10
A1008AYW-150M	15.0	± 20	75	2.40	1.60
A1008AYW-220M	22.0	± 20	97	2.10	1.40
A1008AYW-330M	33.0	± 20	135	1.70	1.10
A1008AYW-470M	47.0	± 20	195	1.40	0.92
A1008AYW-680M	68.0	± 20	280	1.20	0.76
A1008AYW-101M	100.0	± 20	400	0.97	0.60
A1008AYW-151M	150.0	± 20	720	0.81	0.44
A1008AYW-221M	220.0	± 20	1010	0.66	0.37

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC Resistance is measured with a Digital Multimeter TR6871 (Advantest) or equivalent.
- (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) 直流抵抗はデジタルマルチメータTR6871(Advantest)または同等品により測定する。
- (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)