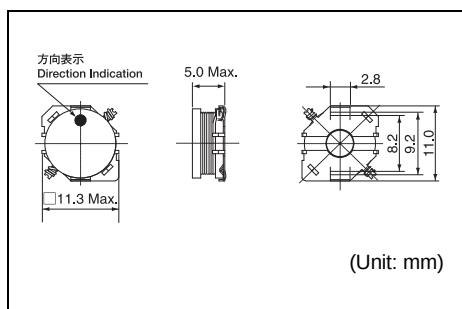
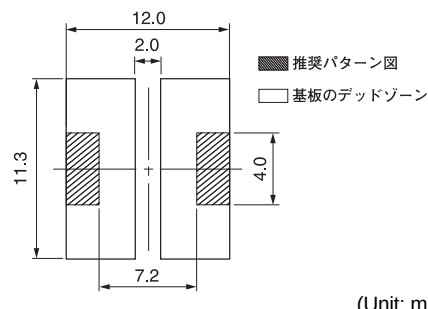


DH10F

Inductance Range: 1.5~2.2mH



Recommended patterns 推奨パターン図



FEATURES 特長

- High reliability for vehicle application.
- Operating temperature range : -55°C~+125°C
- Low profile (11.3mm Max. square, 5.0mm Max. height).
- 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
- 薄形構造(11.3mm角Max. 高さ5.0mm Max.)
- 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 DH10F (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. $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽³⁾ $\Delta T=20^{\circ}\text{C}$ (A) Max.
A1032AY-1R5M	1.5	± 20	14 (10)	5.5 (7.3)	4.4 (5.2)
A1032AY-2R2M	2.2	± 20	16 (12)	4.7 (6.2)	4.1 (4.8)
A1032AY-3R0M	3.0	± 20	18 (15)	4.0 (5.4)	3.7 (4.4)
A1032AY-6R2M	6.2	± 20	29 (23)	2.8 (3.7)	3.0 (3.5)
A1032AY-7R5M	7.5	± 20	30 (25)	2.5 (3.4)	2.8 (3.3)
A1032AY-100M	10	± 20	46 (37)	2.3 (3.1)	2.2 (2.5)
A1032AY-150M	15	± 20	58 (48)	1.9 (2.5)	2.0 (2.3)
A1032AY-220M	22	± 20	77 (63)	1.5 (2.0)	1.7 (2.0)
A1032AY-330M	33	± 20	98 (80)	1.3 (1.7)	1.5 (1.8)
A1032AY-470K	47	± 10	145 (108)	1.0 (1.4)	1.3 (1.5)
A1032AY-680K	68	± 10	220 (172)	0.85 (1.1)	1.0 (1.2)
A1032AY-101K	100	± 10	290 (233)	0.72 (0.97)	0.95 (1.1)
A1032AY-151K	150	± 10	445 (366)	0.59 (0.79)	0.67 (0.79)
A1032AY-221K	220	± 10	600 (491)	0.48 (0.65)	0.58 (0.68)
A1032AY-331K	330	± 10	915 (752)	0.39 (0.53)	0.46 (0.55)
A1032AY-471K	470	± 10	1320 (1064)	0.33 (0.45)	0.38 (0.45)
A1032AY-561K	560	± 10	1440 (1175)	0.30 (0.40)	0.36 (0.43)
A1032AY-681K	680	± 10	1920 (1605)	0.27 (0.37)	0.30 (0.36)
A1032AY-821K	820	± 10	2280 (1876)	0.24 (0.33)	0.28 (0.34)
A1032AY-102K	1000	± 10	3000 (2444)	0.23 (0.31)	0.23 (0.27)
A1032AY-152K	1500	± 10	4680 (3930)	0.18 (0.25)	0.18 (0.22)
A1032AY-222K	2200	± 10	6240 (5150)	0.15 (0.21)	0.16 (0.19)

- (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)