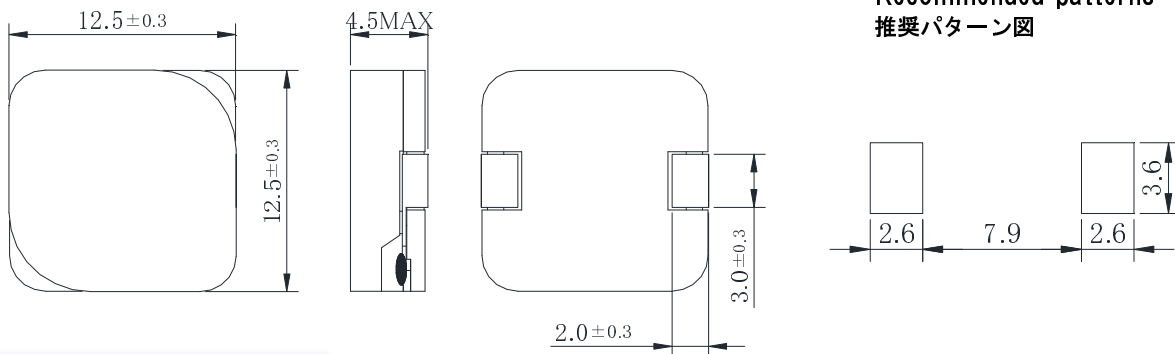


Shield High Power Inductor SHP1245P Series

DIMENSIONS / 外形寸法



Recommended patterns
推奨パターン図

(Unit: mm)

FEATURES / 特長

- Low leakage flux to the outside by complete closed magnetic circuit structure.
- Correspond to large saturation current by high Bm Ni-Zn ferrite core.
- 完全閉磁路構造により漏れ磁束が少ない
- 高B材Ni-Zn系フェライトコアによる高飽和電流対応

SPECIFICATIONS / 仕様

Parts No. 部品番号	Inductance *1 インダクタンス [μH]	Tolerance 許容差 [%]	DC Resistance *2 直流抵抗 [mΩ]	DC Resistance Max *2 最大直流 抵抗[mΩ]	DC Superimposition Current *3 直流重畳 許容電流 [A]	Temperature Rise Current *4 温度上昇 許容電流 [A]
SHP1245P-F3R3A	3.3	±30%	15	18	9.70	6.70
SHP1245P-F4R7A	4.7	±30%	18	20	8.70	6.20
SHP1245P-F5R6A	5.6	±30%	19	23	8.20	6.10
SHP1245P-F6R8A	6.8	±30%	22	25	7.20	5.30
SHP1245P-F8R2A	8.2	±30%	25	27	6.90	5.00
SHP1245P-F100A	10	±20%	32	37	6.30	4.70
SHP1245P-F120A	12	±20%	35	40	6.00	4.00
SHP1245P-F150A	15	±20%	39	43	5.50	3.70
SHP1245P-F180A	18	±20%	46	50	5.10	3.50
SHP1245P-F220A	22	±20%	61	63	4.40	3.20
SHP1245P-F330A	33	±20%	74	77	3.40	2.90
SHP1245P-F470A	47	±20%	114	122	2.90	2.50
SHP1245P-F560A	56	±20%	120	136	2.80	2.30
SHP1245P-F680A	68	±20%	155	181	2.60	1.80
SHP1245P-F820A	82	±20%	194	211	2.50	1.60
SHP1245P-F101A	100	±20%	227	253	2.00	1.50
SHP1245P-F121A	120	±20%	319	334	1.90	1.40
SHP1245P-F151A	150	±20%	373	403	1.60	1.30
SHP1245P-F181A	180	±20%	410	449	1.30	1.20
SHP1245P-F221A	220	±20%	548	621	1.20	1.00
SHP1245P-F331A	330	±20%	759	828	1.10	0.90
SHP1245P-F471A	470	±20%	1091	1127	1.00	0.70

*1 Inductance is measured at 100kHz, 1V .

*2 DC Resistance is measured at ambient temperature 20°C.

*3 DC Current based upon 30% inductance reduction from the inithal value (Ta=20°C)

*4 DC Current based upon 35°C temperature rise. (Ta=20°C)

*5 Operating temperature is -25~120°C(includes coil heating).

インダクタンス測定、100kHz、1V.

直流抵抗は周囲温度20°Cにおいて測定.

インダクタンスが初期値より-30%になる直流電流値(Ta=20°C)

温度上昇ΔT=35°Cになる直流電流値(Ta=20°C)

動作温度、-25~120°C(コイルの発熱を含む) .