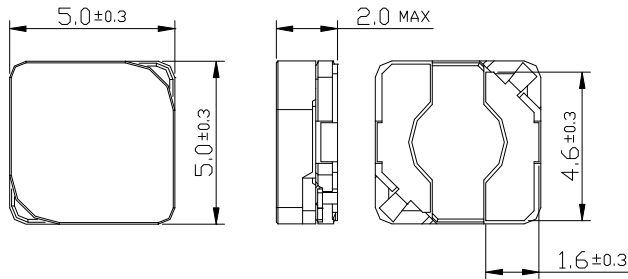
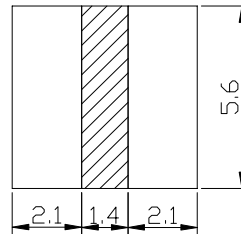


Shield High Power Inductor SHP0520P Series

DIMENSIONS / 外形寸法



Recommended patterns 推奨パターン図



(Unit: mm)

Solder resist recommended
ソルダーレジスト推奨

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る外部への漏れ磁束が少ない
- ・ 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 Reference*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]
SHP0520P-F3R3AP	3.3	±30%	69	83	2.70	1.65
SHP0520P-F4R7AP	4.7	±30%	87	101	2.40	1.42
SHP0520P-F5R6AP	5.6	±30%	93	104	2.20	1.33
SHP0520P-F6R8AP	6.8	±30%	116	135	2.10	1.29
SHP0520P-F8R2AP	8.2	±30%	123	147	1.80	1.19
SHP0520P-F100AP	10	±20%	173	207	1.50	1.05
SHP0520P-F120AP	12	±20%	215	258	1.40	0.92
SHP0520P-F150AP	15	±20%	265	318	1.20	0.87
SHP0520P-F180AP	18	±20%	298	357	1.00	0.80
SHP0520P-F220AP	22	±20%	447	536	1.00	0.62
SHP0520P-F330AP	33	±20%	567	680	0.80	0.57
SHP0520P-F470AP	47	±20%	792	950	0.60	0.49
SHP0520P-F560AP	56	±20%	881	1057	0.60	0.46
SHP0520P-F101AP	100	±20%	2383	2860	0.40	0.27
SHP0520P-F151AP	150	±20%	3083	3700	0.30	0.25
SHP0520P-F221AP	220	±20%	3967	4760	0.20	0.20
SHP0520P-F331AP	330	±20%	6617	7940	0.16	0.17
SHP0520P-F471AP	470	±20%	9550	11460	0.14	0.14

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

*2 DC Resistance is measured at ambient temperature 25°C.

*3 DC Current based upon 30% inductance reduction from the initial value.

*4 DC Current based upon 35°C temperature rise.

*5 Operating temperature is -40~125°C(includes coil heating).

インダクタンス測定、100kHz、1V.

直流抵抗は周囲温度25°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.

温度上昇ΔT=35°Cになる直流電流値.

動作温度、-40~125°C(コイルの発熱を含む) .