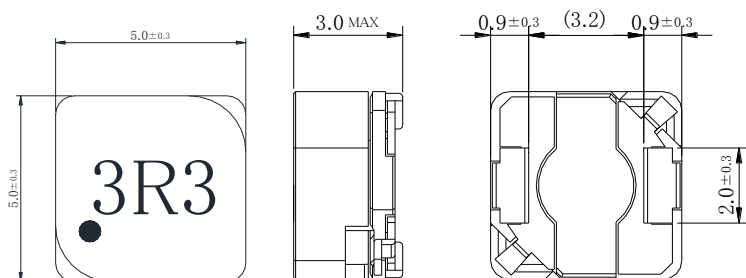


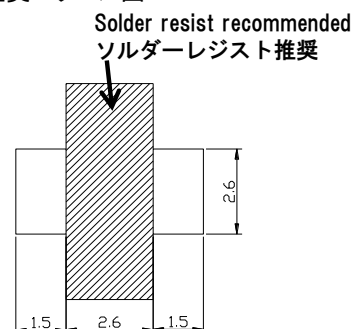
Shield High Power Inductor SHP0530P Series

DIMENSIONS / 外形寸法



(Unit: mm)

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 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]
SHP0530P-F1R0AP	1.0	±30%	22	26	3.54	2.86
SHP0530P-F1R5AP	1.5	±30%	23	28	2.90	2.78
SHP0530P-F2R2AP	2.2	±30%	33	41	2.45	2.50
SHP0530P-F3R3AP	3.3	±30%	36	45	2.20	2.40
SHP0530P-F4R7AP	4.7	±30%	41	50	1.68	2.19
SHP0530P-F5R6AP	5.6	±30%	50	62	1.52	2.06
SHP0530P-F6R8AP	6.8	±30%	59	72	1.39	1.91
SHP0530P-F8R2AP	8.2	±30%	64	78	1.28	1.84
SHP0530P-F100AP	10	±30%	66	81	1.10	1.82
SHP0530P-F120AP	12	±30%	91	111	1.03	1.54
SHP0530P-F150AP	15	±30%	128	157	0.91	1.29
SHP0530P-F180AP	18	±30%	143	176	0.86	1.22
SHP0530P-F220AP	22	±30%	153	188	0.78	1.14
SHP0530P-F270AP	27	±30%	176	216	0.68	1.07
SHP0530P-F330AP	33	±30%	237	291	0.60	0.89
SHP0530P-F390AP	39	±30%	255	313	0.56	0.86
SHP0530P-F470AP	47	±30%	323	396	0.50	0.79
SHP0530P-F560AP	56	±30%	365	448	0.48	0.74
SHP0530P-F680AP	68	±30%	461	565	0.40	0.64
SHP0530P-F820AP	82	±30%	552	677	0.39	0.58
SHP0530P-F101AP	100	±20%	748	918	0.35	0.56
SHP0530P-F121AP	120	±20%	815	1000	0.30	0.50
SHP0530P-F151AP	150	±20%	1081	1326	0.29	0.43
SHP0530P-F181AP	180	±20%	1361	1671	0.26	0.35
SHP0530P-F221AP	220	±20%	1513	1856	0.20	0.33

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

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

*3 DC_Current based upon 30% inductance reduction from the inithal 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) .