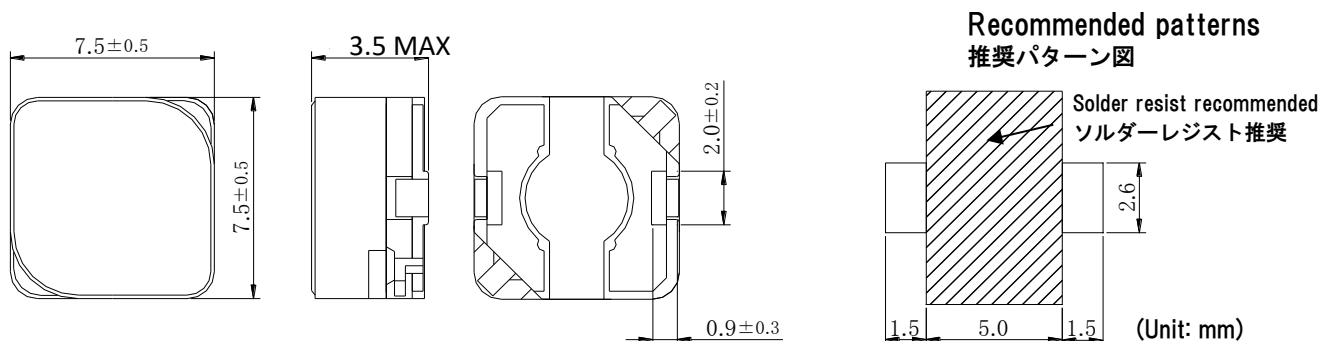


# Shield High Power Inductor SHP0735P Series

## DIMENSIONS / 外形寸法



## FEATURES / 特長

- ・ Low leakage flux by complete closed magnetic circuit structure.      ・ 完全閉磁路構造により漏れ磁束が少ない
- ・ Correspond to large saturation current by high Bm Ni-Zn ferrite core.      ・ 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]
SHP0735P-F3R3AP	3.3	±30%	23	27	6.7	4.7
SHP0735P-F4R7AP	4.7	±30%	32	39	6.0	3.5
SHP0735P-F5R6AP	5.6	±30%	38	46	5.1	3.3
SHP0735P-F6R8AP	6.8	±30%	45	58	4.4	3.2
SHP0735P-F8R2AP	8.2	±30%	57	71	4.1	2.7

\*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.

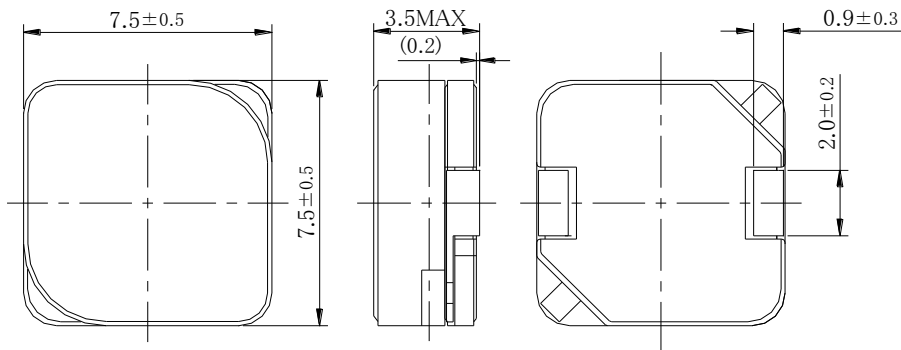
インダクタンスが初期値より-30%になる直流電流値.

温度上昇ΔT=35°Cになる直流電流値.

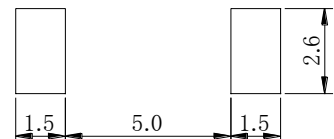
動作温度、-40~125°C(コイルの発熱を含む) .

# Shield High Power Inductor SHP0735P Series

## DIMENSIONS / 外形寸法



## Recommended patterns 推奨パターン図



(Unit: mm)

## FEATURES / 特長

- ・ Low leakage flux by complete closed magnetic circuit structure.      ・ 完全閉磁路構造により漏れ磁束が少ない
- ・ Correspond to large saturation current by high Bm Ni-Zn ferrite core.      ・ 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 [ $\mu$ H]	Tolerance 許容差 [%]	DC Resistance *2 直流抵抗 [m $\Omega$ ]	DC Resistance Max *2 最大直流 抵抗[m $\Omega$ ]	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]
SHP0735P-F100A	10	±20%	76	84	3.8	2.6
SHP0735P-F120A	12	±20%	81	91	3.6	2.2
SHP0735P-F150A	15	±20%	83	100	3.3	2.1
SHP0735P-F180A	18	±20%	103	120	2.8	1.9
SHP0735P-F220A	22	±20%	125	153	2.4	1.7
SHP0735P-F330A	33	±20%	176	194	2.2	1.6
SHP0735P-F470A	47	±20%	238	266	1.8	1.1
SHP0735P-F560A	56	±20%	342	391	1.6	1.0
SHP0735P-F680A	68	±20%	394	434	1.4	0.9
SHP0735P-F820A	82	±20%	530	590	1.3	0.8
SHP0735P-F101A	100	±20%	613	782	1.1	0.7
SHP0735P-F121A	120	±20%	739	972	1.1	0.6
SHP0735P-F151A	150	±20%	1126	1398	0.9	0.5
SHP0735P-F181A	180	±20%	1257	1589	0.9	0.5
SHP0735P-F221A	220	±20%	1397	1763	0.8	0.45
SHP0735P-F331A	330	±20%	2629	3623	0.7	0.4
SHP0735P-F471A	470	±20%	2998	4301	0.6	0.3

\*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 $\Delta T=35^\circ\text{C}$ になる直流電流値.

動作温度、-40~125°C(コイルの発熱を含む) .

(耐熱温度切り替え中、別途相談して下さい。)