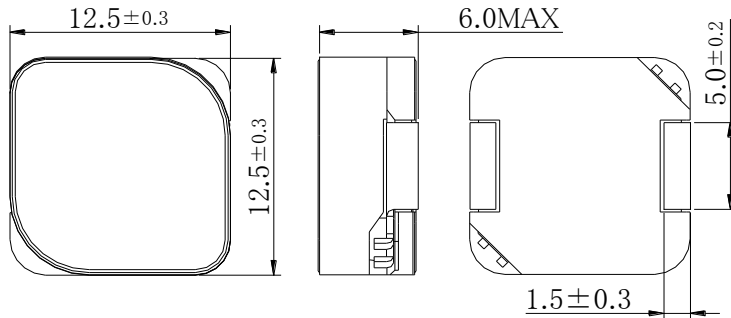
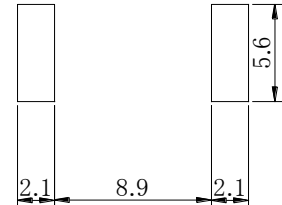


Shield High Power Inductor SHP1260AP Series

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.
- ・ 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 [μ H] | Tolerance 許容差 [%] | DC Resistance *2 直流抵抗 [m Ω] | DC Resistance Max *2 最大直流 抵抗[m Ω] | DC Superimposition Current *3 直流重量 許容電流 [A] | Temperature Rise Current *4 温度上昇 許容電流 [A] |
|-------------------|---|-------------------------|--|--|--|--|
| SHP1260P-F3R3AP | 3.3 | ±30% | 8 | 11 | 10.9 | 9.6 |
| SHP1260P-F4R7AP | 4.7 | ±30% | 10 | 12 | 7.3 | 8.2 |
| SHP1260P-F5R6AP | 5.6 | ±30% | 12 | 13 | 6.9 | 7.7 |
| SHP1260P-F6R8AP | 6.8 | ±30% | 12 | 15 | 5.8 | 7.1 |
| SHP1260P-F8R2AP | 8.2 | ±30% | 14 | 19 | 5.6 | 6.9 |
| SHP1260P-F100AP | 10 | ±20% | 20 | 21 | 5.3 | 6.3 |
| SHP1260P-F120AP | 12 | ±20% | 22 | 23 | 5.0 | 6.2 |
| SHP1260P-F150AP | 15 | ±20% | 24 | 26 | 4.8 | 5.4 |
| SHP1260P-F180AP | 18 | ±20% | 33 | 34 | 4.6 | 4.7 |
| SHP1260P-F220AP | 22 | ±20% | 34 | 40 | 4.2 | 4.6 |
| SHP1260P-F330AP | 33 | ±20% | 56 | 58 | 3.2 | 3.4 |
| SHP1260P-F470AP | 47 | ±20% | 75 | 83 | 2.8 | 3.0 |
| SHP1260P-F560AP | 56 | ±20% | 83 | 93 | 2.7 | 2.7 |
| SHP1260P-F680AP | 68 | ±20% | 115 | 127 | 2.3 | 2.4 |
| SHP1260P-F820AP | 82 | ±20% | 129 | 140 | 1.9 | 2.2 |
| SHP1260P-F101AP | 100 | ±20% | 149 | 157 | 1.8 | 1.9 |
| SHP1260P-F121AP | 120 | ±20% | 162 | 181 | 1.6 | 1.7 |
| SHP1260P-F151AP | 150 | ±20% | 213 | 247 | 1.3 | 1.5 |
| SHP1260P-F181AP | 180 | ±20% | 276 | 301 | 1.2 | 1.4 |
| SHP1260P-F221AP | 220 | ±20% | 320 | 355 | 1.1 | 1.3 |
| SHP1260P-F331AP | 330 | ±20% | 513 | 566 | 0.9 | 1.1 |
| SHP1260P-F471AP | 470 | ±20% | 773 | 853 | 0.8 | 0.9 |

※This specification might be changed without notice due to under developing. Thank you for your understanding.
本仕様は開発中につき、製品の改善等により記載内容を予告無く変更することがありますので、ご了承下さい。

SPECIFICATIONS / 仕様

| Parts No. 部品番号 | Inductance *1 インダクタンス [μ H] | Tolerance 許容差 [%] | DC Resistance *2 直流抵抗 [m Ω] | DC Resistance Max *2 最大直流 抵抗[m Ω] | DC Superimposition Current *3 直流重量 許容電流 [A] | Temperature Rise Current *4 温度上昇 許容電流 [A] |
|-------------------|---|-------------------------|--|--|--|--|
| SHP1260P-F561AP | 560 | $\pm 20\%$ | 1135 | 1210 | 0.78 | 0.70 |
| SHP1260P-F681AP | 680 | $\pm 20\%$ | 1234 | 1370 | 0.73 | 0.66 |
| SHP1260P-F821AP | 820 | $\pm 20\%$ | 1747 | 1810 | 0.67 | 0.57 |
| SHP1260P-F102AP | 1000 | $\pm 20\%$ | 1836 | 1950 | 0.61 | 0.55 |
| SHP1260P-F152AP | 1500 | $\pm 20\%$ | 2789 | 2950 | 0.48 | 0.45 |
| SHP1260P-F222AP | 2200 | $\pm 20\%$ | 4085 | 4270 | 0.41 | 0.37 |
| SHP1260P-F332AP | 3300 | $\pm 20\%$ | 5210 | 5900 | 0.37 | 0.31 |
| SHP1260P-F472AP | 4700 | $\pm 20\%$ | 8665 | 9560 | 0.31 | 0.25 |
| SHP1260P-F682AP | 6800 | $\pm 20\%$ | 15185 | 16400 | 0.26 | 0.19 |
| SHP1260P-F103AP | 10000 | $\pm 20\%$ | 23550 | 26000 | 0.20 | 0.15 |

*1 Inductance of F3R3AP~F821AP is measured at 100kHz .

Inductance of F102AP~F103AP is measured at 1kHz .

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

F3R3AP~F821APインダクタンス測定、100kHz.

F102AP~F103APインダクタンス測定、1kHz.

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.

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) .

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