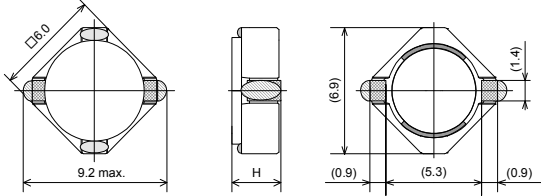


7E06LA / LB
NA / NB



Frequency Range : ~2MHz
Inductance Range : 1.2 ~ 470μH
Temperature Coefficient : ±10%max.



H=2.0max. : 7E06L
H=3.0max. : 7E06N

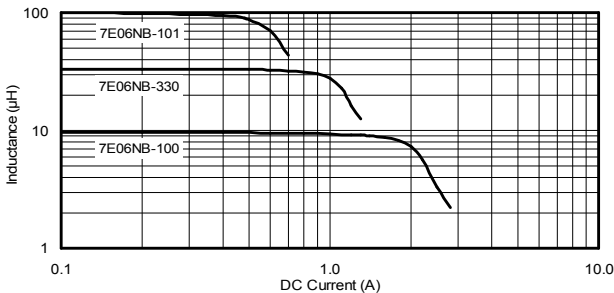
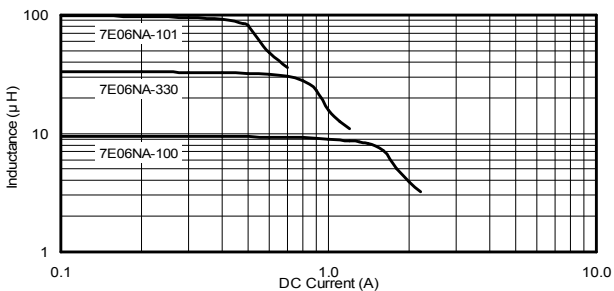
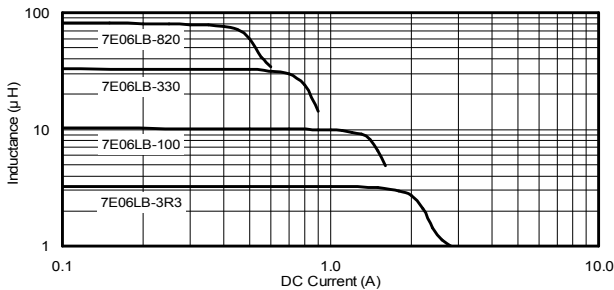
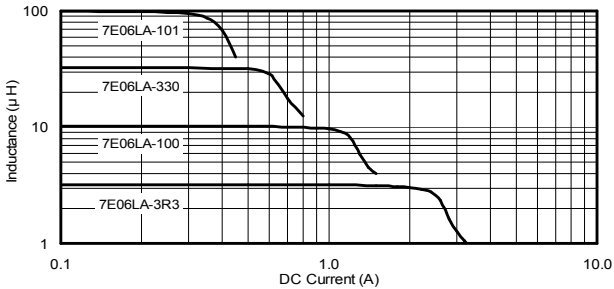
Features

- SMD magnetically shielded type of power inductor
- Suitable as power supply choke coil
- A: Low DC Resistance
- B: Powered DC Current

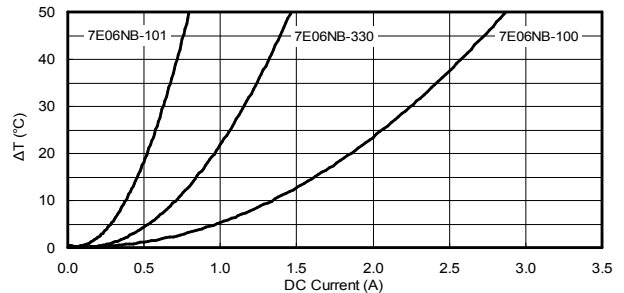
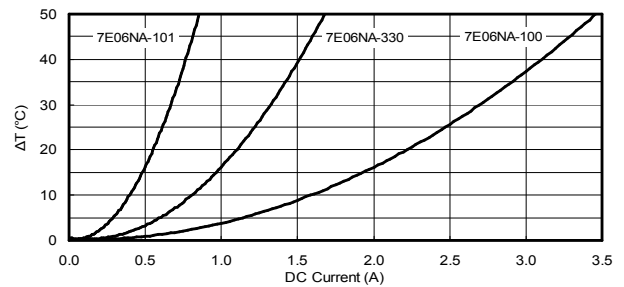
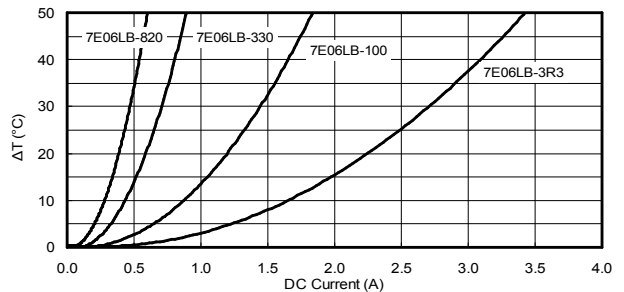
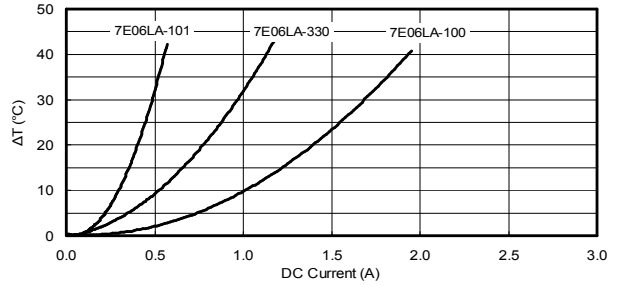
特長

- 閉磁路タイプ面実装パワーインダクタ
- 電源用のチョークコイルとして最適
- A: 直流抵抗を低くした仕様
- B: 直流重畳電流特性を重視した仕様

Characteristics of DC Limit Current



Characteristics of Temperature rise



Notes: Graphs are based on typical values of each type, not specific values.

記事: 特性グラフは各タイプの代表値を基に作成しています。規格値ではありません。

Coil Selection Guide

| Inductance インダクタンス | | DC Resistance 直流抵抗 (Ω) ±30% | | | | DC saturation allowable current 直流重畳許容電流 (A) | | | | Temperature rise allowable current 温度上昇許容電流 (A) | | | |
|-----------------------|------|-----------------------------------|--------|--------|--------|--|--------|--------|--------|---|--------|--------|--------|
| Code | (μH) | 7E06LA | 7E06LB | 7E06NA | 7E06NB | 7E06LA | 7E06LB | 7E06NA | 7E06NB | 7E06LA | 7E06LB | 7E06NA | 7E06NB |
| 1R2 | 1.2 | 0.011 | 0.014 | 0.0084 | 0.0098 | 2.40 | 3.10 | 3.40 | 3.60 | 4.80 | 4.10 | 5.60 | 5.20 |
| 1R5 | 1.5 | | | 0.011 | 0.013 | | | 2.80 | 3.40 | | | 5.10 | 4.60 |
| 1R8 | 1.8 | 0.016 | 0.020 | | | 2.10 | 2.40 | | | 4.00 | 3.40 | | |
| 2R2 | 2.2 | | | 0.013 | 0.017 | | | 2.50 | 2.70 | | | 4.70 | 4.00 |
| 2R4 | 2.4 | 0.022 | 0.027 | | | 1.80 | 2.20 | | | 3.40 | 3.00 | | |
| 3R3 | 3.3 | 0.027 | 0.037 | 0.016 | 0.022 | 1.50 | 2.00 | 2.10 | 2.60 | 3.00 | 2.60 | 4.20 | 3.50 |
| 3R9 | 3.9 | | | 0.020 | 0.025 | | | 1.90 | 2.20 | | | 3.70 | 3.30 |
| 4R3 | 4.3 | 0.033 | 0.050 | | | 1.30 | 1.70 | | | 2.70 | 2.20 | | |
| 4R7 | 4.7 | | | 0.023 | 0.031 | | | 1.70 | 2.10 | | | 3.40 | 2.90 |
| 5R6 | 5.6 | 0.041 | 0.057 | 0.028 | 0.035 | 1.20 | 1.50 | 1.60 | 1.90 | 2.40 | 2.00 | 3.10 | 2.80 |
| 6R8 | 6.8 | 0.057 | 0.077 | 0.032 | 0.043 | 1.10 | 1.40 | 1.50 | 1.70 | 2.00 | 1.60 | 2.90 | 2.40 |
| 8R2 | 8.2 | 0.064 | 0.085 | 0.039 | 0.048 | 1.00 | 1.30 | 1.40 | 1.60 | 1.90 | 1.50 | 2.60 | 2.30 |
| 100 | 10 | 0.092 | 0.120 | 0.041 | 0.058 | 0.90 | 1.10 | 1.30 | 1.40 | 1.50 | 1.30 | 2.50 | 2.00 |
| 120 | 12 | 0.100 | 0.130 | 0.050 | 0.069 | 0.80 | 1.00 | 1.20 | 1.30 | 1.40 | 1.20 | 2.30 | 1.80 |
| 150 | 15 | 0.130 | 0.170 | 0.067 | 0.086 | 0.70 | 0.90 | 1.00 | 1.20 | 1.20 | 1.10 | 1.90 | 1.60 |
| 180 | 18 | 0.150 | 0.190 | 0.082 | 0.099 | 0.60 | 0.85 | 0.94 | 1.10 | 1.10 | 1.00 | 1.70 | 1.50 |
| 220 | 22 | 0.190 | 0.230 | 0.094 | 0.120 | 0.55 | 0.75 | 0.85 | 1.00 | 1.00 | 0.90 | 1.50 | 1.30 |
| 270 | 27 | 0.220 | 0.270 | 0.110 | 0.140 | 0.50 | 0.65 | 0.80 | 0.90 | 0.96 | 0.85 | 1.40 | 1.20 |
| 330 | 33 | 0.260 | 0.380 | 0.150 | 0.200 | 0.45 | 0.60 | 0.70 | 0.80 | 0.86 | 0.68 | 1.20 | 1.05 |
| 390 | 39 | 0.290 | 0.420 | 0.170 | 0.210 | 0.40 | 0.57 | 0.65 | 0.75 | 0.82 | 0.65 | 1.10 | 0.98 |
| 470 | 47 | 0.410 | 0.470 | 0.210 | 0.290 | 0.38 | 0.53 | 0.56 | 0.67 | 0.65 | 0.61 | 1.00 | 0.87 |
| 560 | 56 | 0.460 | 0.690 | 0.240 | 0.320 | 0.35 | 0.50 | 0.53 | 0.63 | 0.62 | 0.50 | 0.95 | 0.83 |
| 680 | 68 | 0.530 | 0.790 | 0.270 | 0.390 | 0.33 | 0.44 | 0.50 | 0.57 | 0.58 | 0.46 | 0.90 | 0.71 |
| 820 | 82 | 0.750 | 0.880 | 0.370 | 0.450 | 0.30 | 0.40 | 0.44 | 0.53 | 0.47 | 0.44 | 0.75 | 0.66 |
| 101 | 100 | 0.850 | | 0.460 | 0.560 | 0.28 | | 0.40 | 0.48 | 0.45 | | 0.70 | 0.60 |
| 121 | 120 | 0.960 | | 0.510 | 0.620 | 0.25 | | 0.37 | 0.45 | 0.42 | | 0.66 | 0.56 |
| 151 | 150 | | | 0.650 | 0.900 | | | 0.33 | 0.38 | | | 0.57 | 0.47 |
| 181 | 180 | | | 0.920 | 1.00 | | | 0.30 | 0.36 | | | 0.46 | 0.43 |
| 221 | 220 | | | 1.05 | 1.55 | | | 0.26 | 0.28 | | | 0.44 | 0.36 |
| 271 | 270 | | | 1.18 | 1.75 | | | 0.24 | 0.26 | | | 0.42 | 0.33 |
| 331 | 330 | | | 1.73 | | | | 0.22 | | | | 0.35 | |
| 391 | 390 | | | 1.90 | | | | 0.20 | | | | 0.33 | |
| 471 | 470 | | | 2.23 | | | | 0.17 | | | | 0.31 | |

- Notes: 1. Measurement Frequency for Inductance: 100kHz (< 10 μH)
1kHz (≥ 10 μH)
2. DC saturation allowable current: Value of inductance decrease within 35%.
3. Temperature rise allowable current: A rise in temperature of core surface is 25°C.

- 記事: 1. インダクタンス測定周波数: 100kHz (< 10 μH)
1kHz (≥ 10 μH)
2. 直流重畳許容電流: インダクタンスの減少が35%以内の直流電流値。
3. 温度上昇許容電流: コアの表面温度上昇が25°Cの直流電流値。

Inductance range インダクタンス範囲

| Tolerance | 7E06LA | 7E06LB | 7E06NA | 7E06NB |
|-----------|-------------|------------|-------------|-------------|
| ±30%(N) | 1.2μH~8.2μH | | | |
| ±20%(M) | 10 μH~120μH | 10 μH~82μH | 10 μH~470μH | 10 μH~270μH |

Parts Code 品番コード例

| | | | |
|-------------|---|-------------------------------|------------------|
| 7E06NA | — | 100 | M |
| Type タイプ | | Inductance Code インダクタンスコード | Tolerance 許容差 |

Recommended Land Pattern 推奨ランドパターン

