

XRK1040B

AEC-Q200



■ 特长

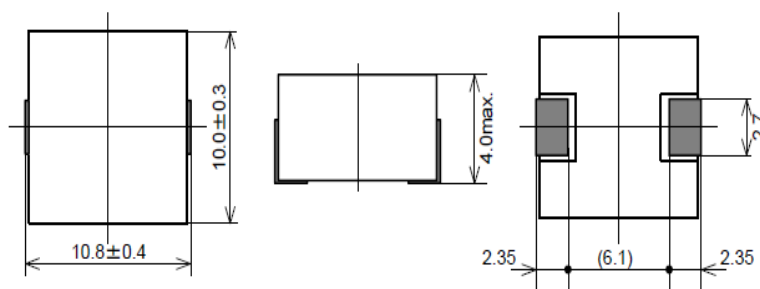
- 使用金属磁性材料实现小尺寸和大电流
- 由于没有间隙, 因此降低啸叫
- 在高温环境下电感变化少
- 符合AEC-Q200
- 工作温度范围: $-40^{\circ}\text{C}\sim+150^{\circ}\text{C}$ (包含自身发热)

单体重: 2.2~2.5 g

■ 用途

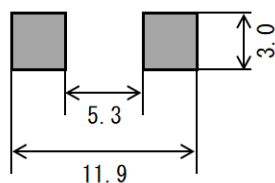
- 音频&映像/电视&显示器, 迷你音响, AV功放, 业务用功放, 照相机, 录音机
- 车载/汽车音响, 汽车导航, ECU, LED前灯
- 电脑/个人电脑, 打印机, 投影仪
- 家电/LED照明
- 其他/各种电源, 工业机器, 医疗机器, 美容机器, 能源

■ 外形尺寸



(单位: mm)

■ 推荐焊盘



(单位: mm)



相模电机(深圳)有限公司

△ 以上内容可能由于制品改善等原因发生变更而不事前通知, 请悉知。

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营业部 TEL:0755-27985339
技术部 TEL:0755-27985209
<https://www.sagami-elec.co.jp>

■ 电气规格

| 相模品番 | 电感值 (μ H) | 直流电阻 | | 额定 直流电流 (A) | 额定温度 上升电流 (A) |
|---------------|-------------------|---------------|---------|-------------------|---------------------|
| | | (m Ω) | | | |
| | | max. | Typical | | |
| XRK1040B-R20M | 0.2 \pm 20% | 0.700 | 0.600 | 60.0 | 36.0 |
| XRK1040B-R36M | 0.36 \pm 20% | 1.20 | 1.00 | 33.0 | 26.0 |
| XRK1040B-R45M | 0.45 \pm 20% | 1.20 | 1.10 | 40.0 | 25.0 |
| XRK1040B-R47M | 0.47 \pm 20% | 1.30 | 1.10 | 35.0 | 25.0 |
| XRK1040B-R56M | 0.56 \pm 20% | 1.80 | 1.60 | 24.0 | 22.5 |
| XRK1040B-R90M | 0.9 \pm 20% | 2.50 | 2.20 | 22.0 | 20.0 |
| XRK1040B-1R0M | 1 \pm 20% | 3.10 | 2.70 | 25.0 | 17.0 |
| XRK1040B-1R5M | 1.5 \pm 20% | 4.20 | 3.80 | 22.0 | 14.0 |
| XRK1040B-2R2M | 2.2 \pm 20% | 7.00 | 6.00 | 16.0 | 10.5 |
| XRK1040B-3R3M | 3.3 \pm 20% | 11.4 | 9.90 | 11.5 | 8.20 |
| XRK1040B-4R7M | 4.7 \pm 20% | 15.0 | 13.2 | 10.8 | 8.00 |
| XRK1040B-5R6M | 5.6 \pm 20% | 17.0 | 14.0 | 9.00 | 7.70 |
| XRK1040B-6R8M | 6.8 \pm 20% | 19.0 | 16.0 | 9.00 | 7.50 |
| XRK1040B-100M | 10 \pm 20% | 30.0 | 27.0 | 6.00 | 5.50 |
| XRK1040B-150M | 15 \pm 20% | 45.0 | 40.0 | 4.60 | 4.70 |
| XRK1040B-220M | 22 \pm 20% | 65.0 | 58.0 | 4.60 | 3.80 |
| XRK1040B-330M | 33 \pm 20% | 102.0 | 89.0 | 4.60 | 3.00 |
| XRK1040B-470M | 47 \pm 20% | 165.0 | 147.0 | 3.60 | 2.30 |
| XRK1040B-680M | 68 \pm 20% | 210.0 | 190.0 | 3.00 | 2.20 |
| XRK1040B-820M | 82 \pm 20% | 240.0 | 215.0 | 2.60 | 1.90 |
| XRK1040B-101M | 100 \pm 20% | 278.0 | 240.0 | 2.50 | 1.80 |

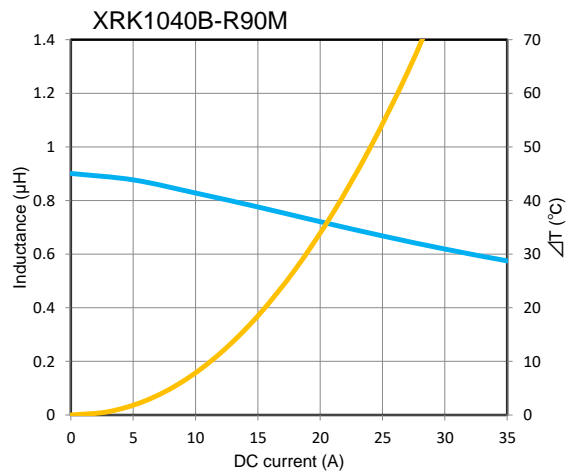
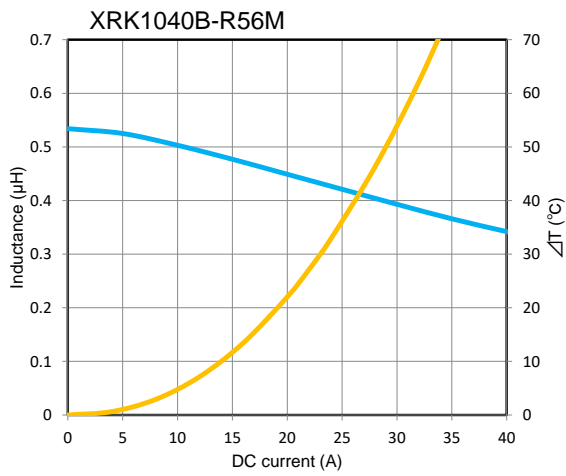
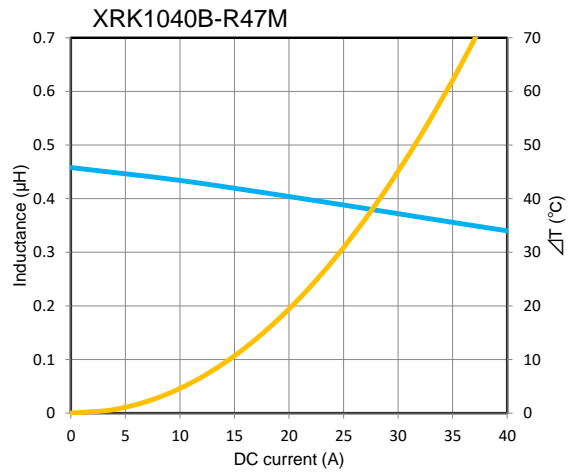
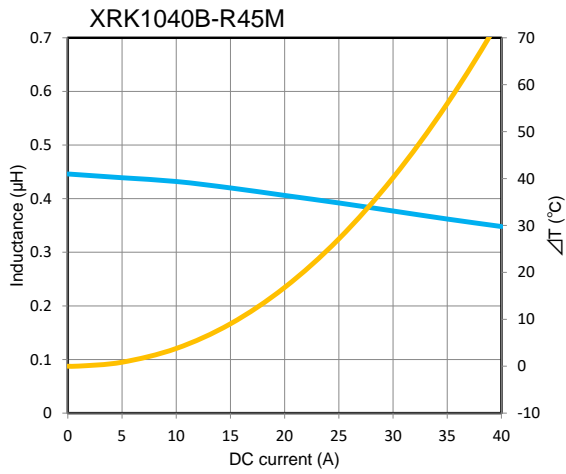
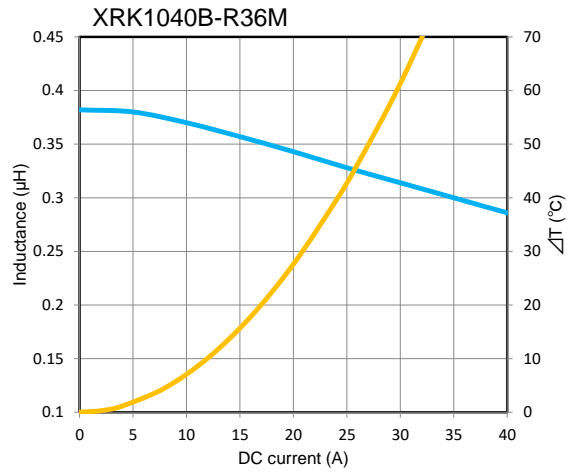
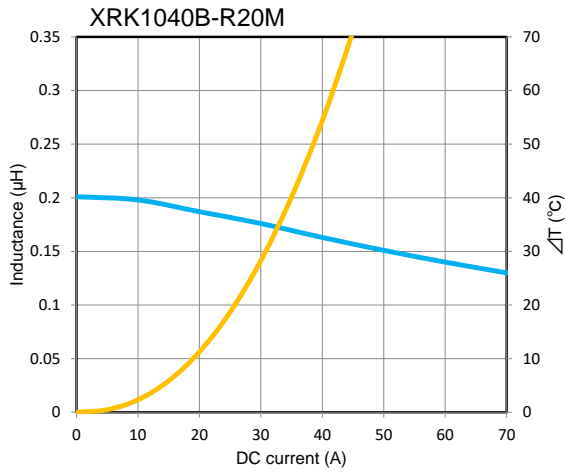
电感量测试条件:100kHz, 1V

直流饱和容许电流:电感值下降至初始值的20%的电流值

温度上升容许电流:磁芯表面温度上升至30℃的电流值

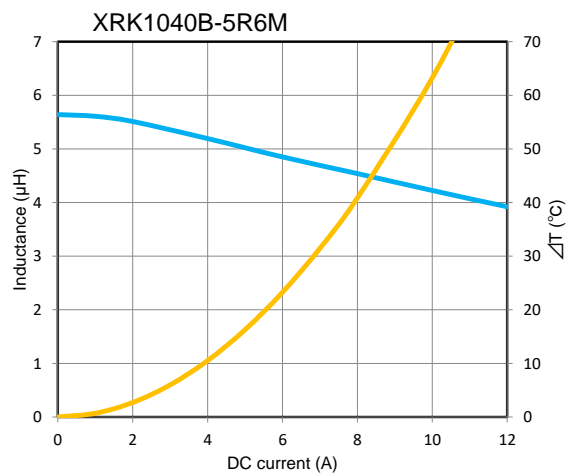
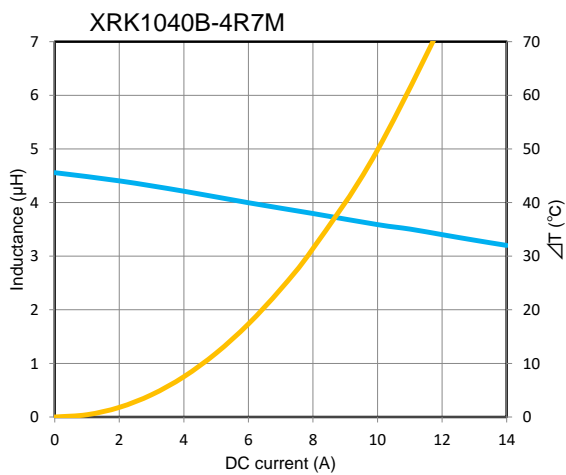
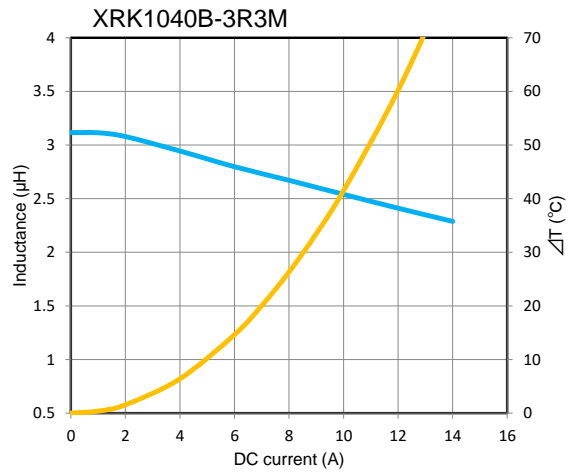
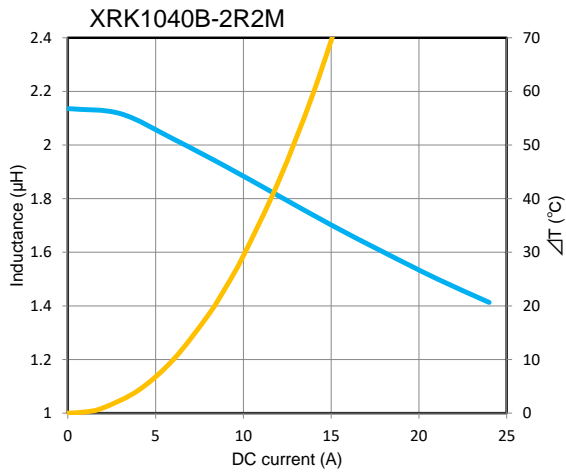
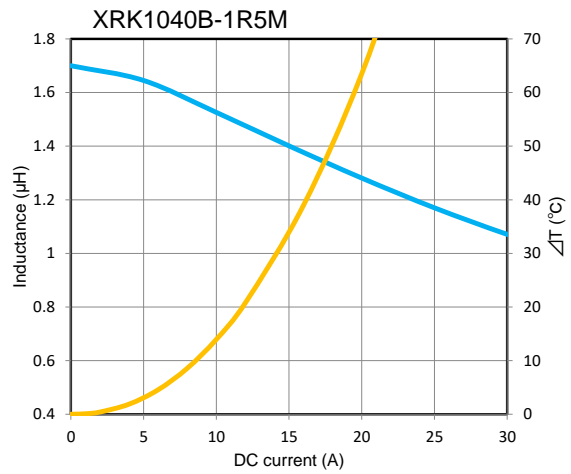
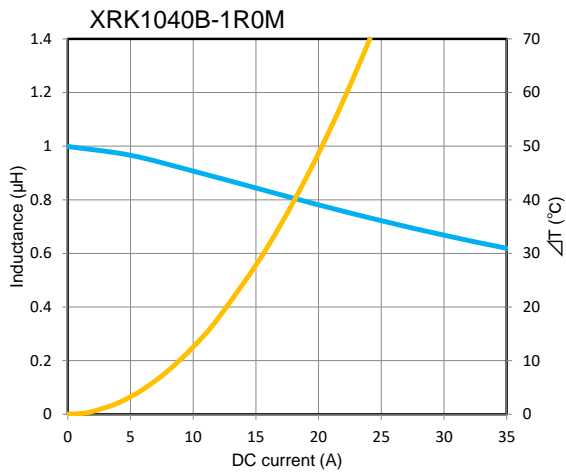
DC bias characteristics vs Temperature Rise Graph

— L(25°C) — ΔT



DC bias characteristics vs Temperature Rise Graph

■ L(25°C) ■ ΔT



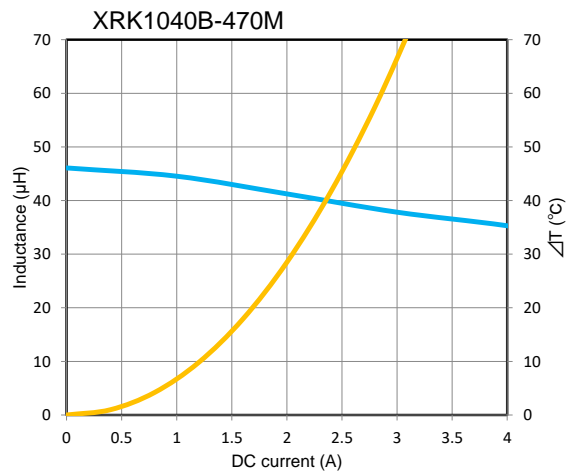
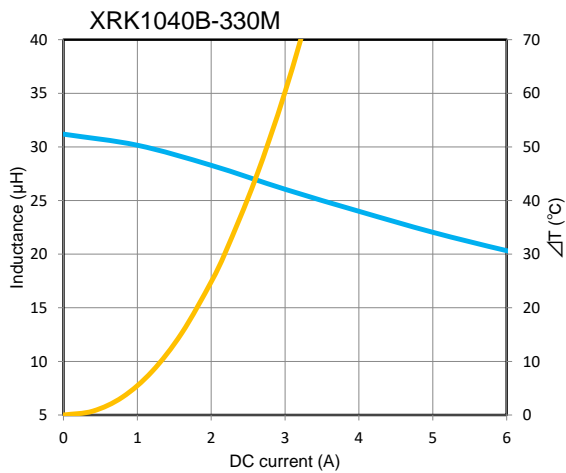
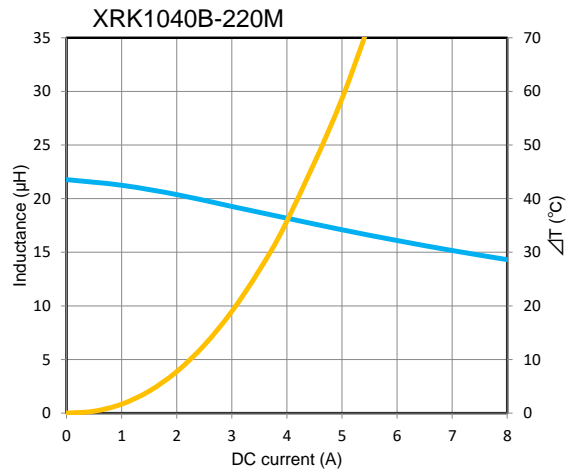
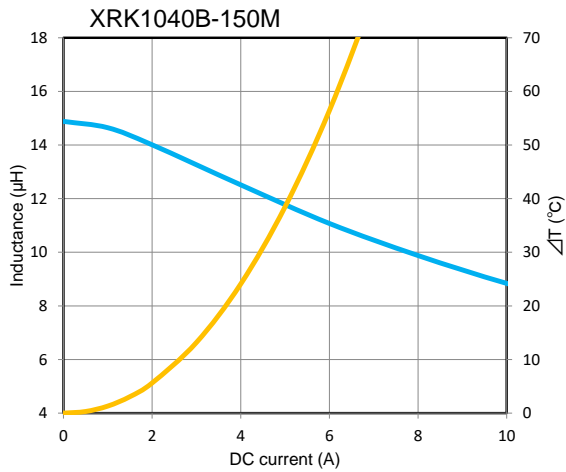
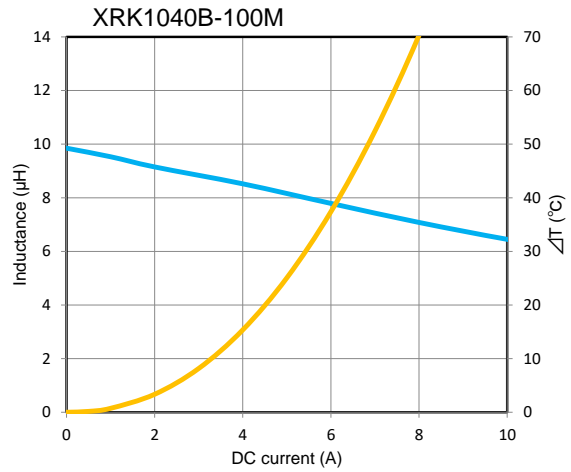
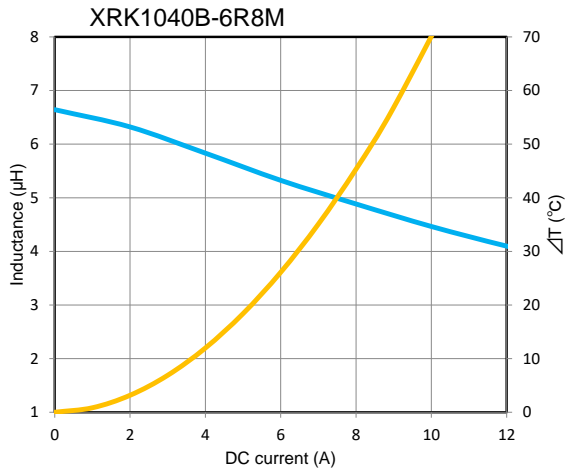
DC bias characteristics vs Temperature Rise Graph



L(25°C)



ΔT



DC bias characteristics vs Temperature Rise Graph



L(25°C)



ΔT

