

## XRK0530B

AEC-Q200



### ■ 特长

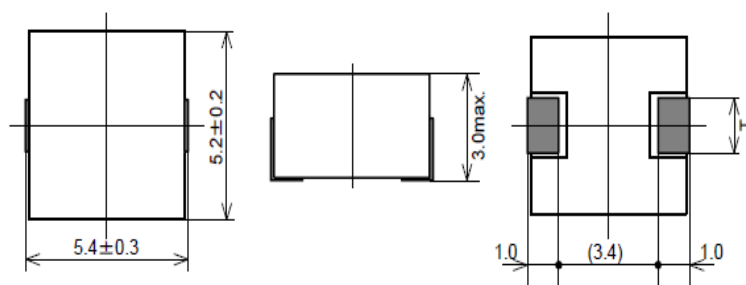
- 使用金属磁性材料实现小尺寸和大电流
- 由于没有间隙，因此降低啸叫
- 在高温环境下电感变化少
- 符合AEC-Q200
- 工作温度范围：-40°C~+150°C（包含自身发热）

单体重： 0.42~0.44 g

### ■ 用途

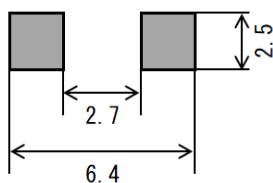
- 音频&映像/电视&显示器, 迷你音响, AV功放, 业务用功放, 照相机, 录音机
- 车载/汽车音响, 汽车导航, ECU, LED前灯
- 电脑/个人电脑, 打印机, 投影仪
- 家电/LED照明
- 其他/各种电源, 工业机器, 医疗机器, 美容机器, 能源

### ■ 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。

深圳市龙华区观澜街道竹园工业区  
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 ( $\mu$ H)	直流电阻		额定 直流电流 (A)	额定温度 上升电流 (A)
		(m $\Omega$ )			
		max.	Typical		
XRK0530B-R20M	0.2 $\pm$ 20%	2.00	1.60	20.0	20.5
XRK0530B-R22M	0.22 $\pm$ 20%	2.30	2.10	23.0	15.8
XRK0530B-R33M	0.33 $\pm$ 20%	3.40	2.90	16.0	14.0
XRK0530B-R35M	0.35 $\pm$ 20%	3.40	2.90	15.0	14.0
XRK0530B-R47M	0.47 $\pm$ 20%	6.10	5.30	12.0	11.0
XRK0530B-R68M	0.68 $\pm$ 20%	8.00	6.90	12.0	10.0
XRK0530B-R75M	0.75 $\pm$ 20%	7.70	6.60	11.5	10.0
XRK0530B-1R0M	1 $\pm$ 20%	11.4	10.0	8.50	8.40
XRK0530B-1R5M	1.5 $\pm$ 20%	17.7	15.4	8.50	6.20
XRK0530B-2R2M	2.2 $\pm$ 20%	23.0	20.0	6.40	5.50
XRK0530B-3R3M	3.3 $\pm$ 20%	38.0	32.0	6.50	4.70
XRK0530B-4R7M	4.7 $\pm$ 20%	47.0	41.0	6.00	4.10
XRK0530B-5R6M	5.6 $\pm$ 20%	59.0	51.0	4.50	3.60
XRK0530B-6R8M	6.8 $\pm$ 20%	70.0	61.0	4.00	3.30
XRK0530B-100M	10 $\pm$ 20%	108.0	90.0	2.30	2.80
XRK0530B-220M	22 $\pm$ 20%	250.0	215.0	1.70	1.70

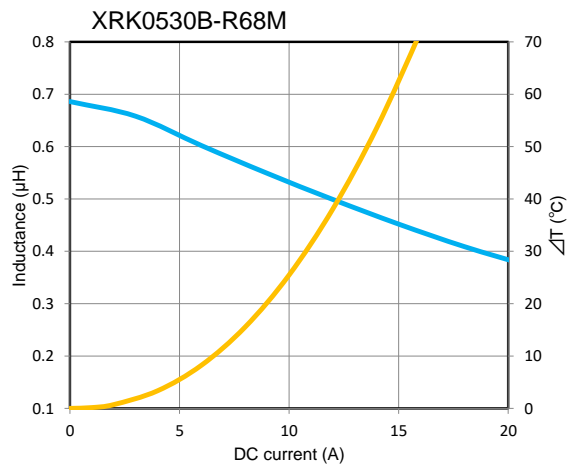
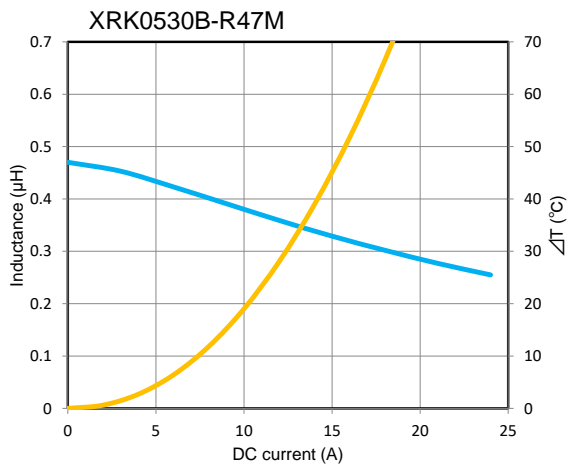
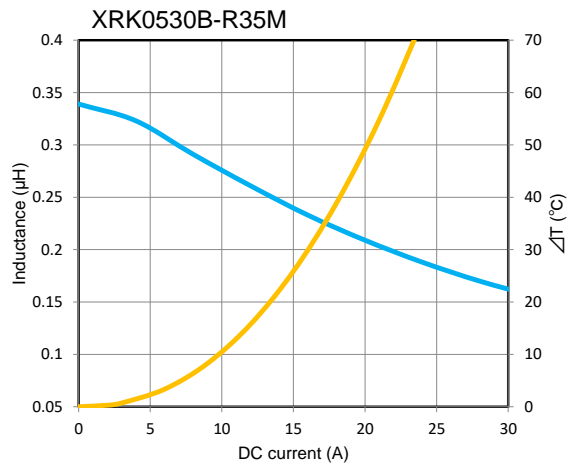
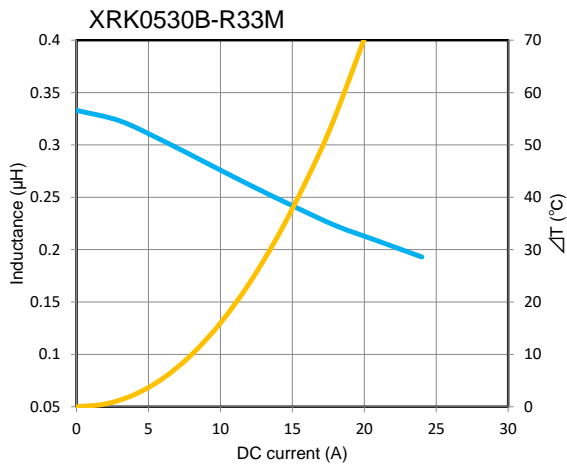
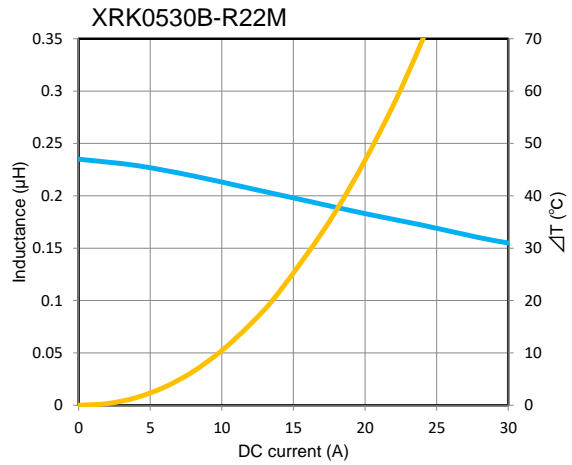
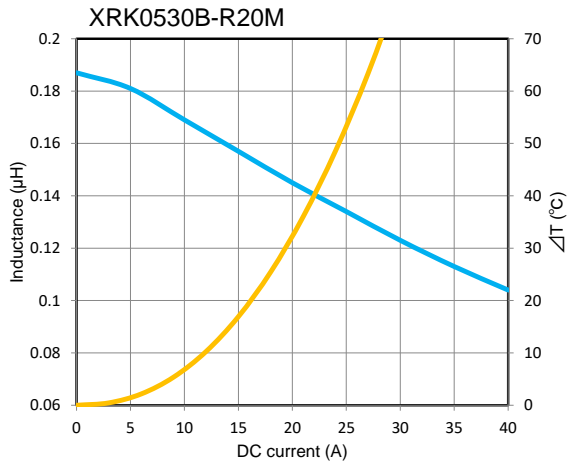
电感量测试条件:100kHz, 1V

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°C的电流值

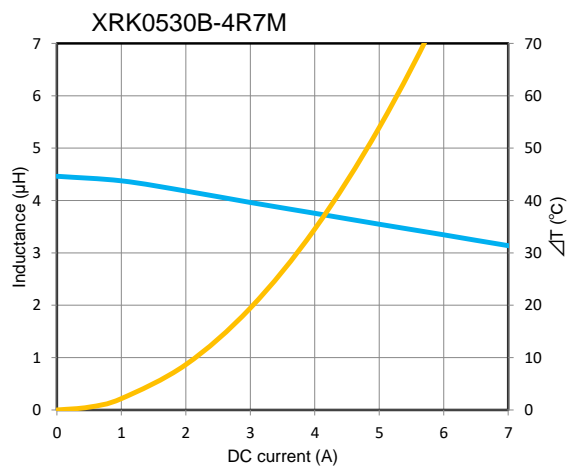
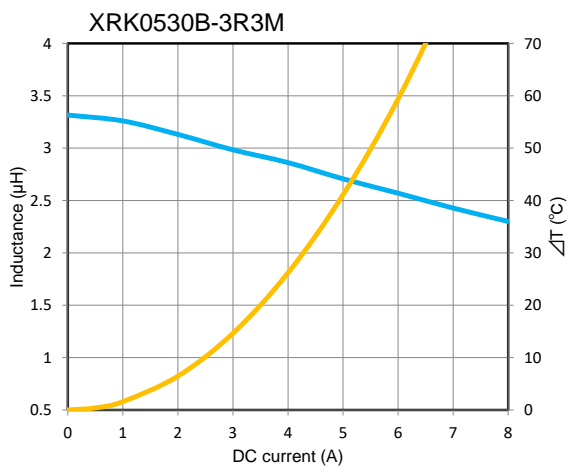
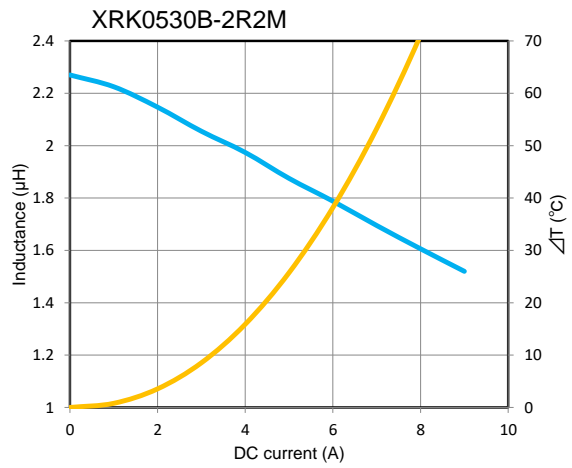
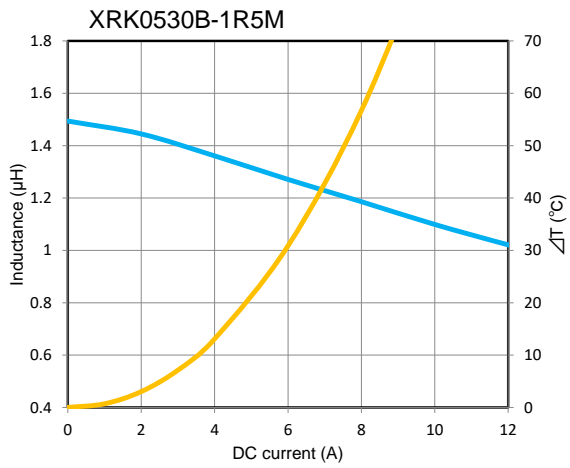
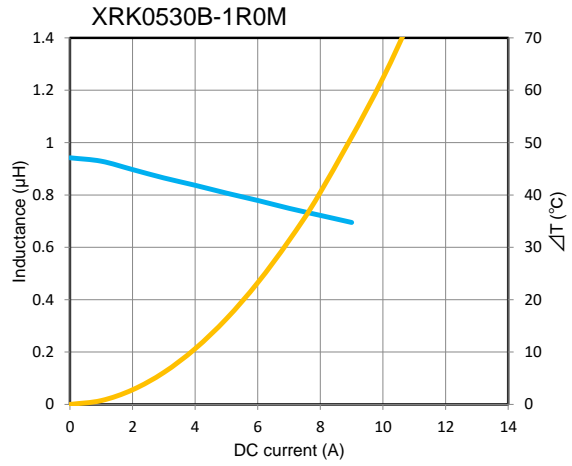
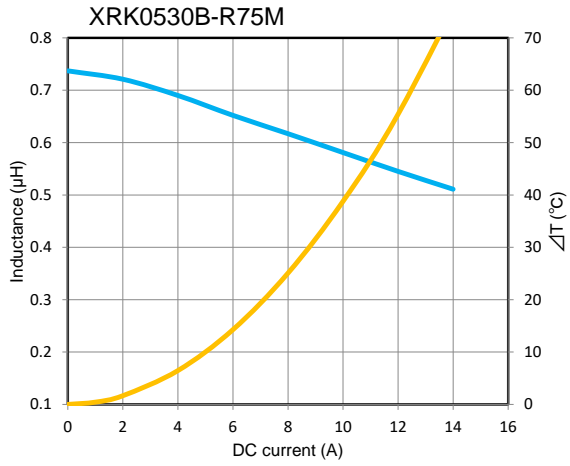
# DC bias characteristics vs Temperature Rise Graph

■ L(25°C)      ■  $\Delta T$



# DC bias characteristics vs Temperature Rise Graph

■ L(25°C)      ■  $\Delta T$



# DC bias characteristics vs Temperature Rise Graph

■ L(25°C)      ■  $\Delta T$

