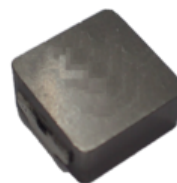


## XRK1365B

AEC-Q200



### ■ 特长

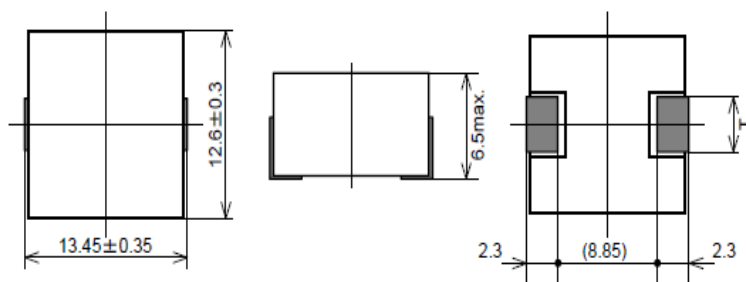
- 使用金属磁性材料实现小尺寸和大电流
- 由于没有间隙, 因此降低啸叫
- 在高温环境下电感变化少
- 符合AEC-Q200
- 工作温度范围:  $-40^{\circ}\text{C} \sim +150^{\circ}\text{C}$  (包含自身发热)

单体重: 5.7~6 g

### ■ 用途

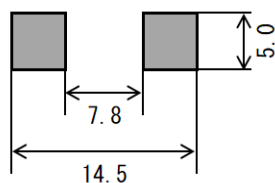
- 音频&映像/电视&显示器, 迷你音响, AV功放, 业务用功放, 照相机, 录音机
- 车载/汽车音响, 汽车导航, ECU, LED前灯
- 电脑/个人电脑, 打印机, 投影仪
- 家电/LED照明
- 其他/各种电源, 工业机器, 医疗机器, 美容机器, 能源

### ■ 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		
XRK1365B-R22M	0.22 $\pm$ 20%	0.600	0.500	100.0	44.0
XRK1365B-R33M	0.33 $\pm$ 20%	0.700	0.600	70.0	42.0
XRK1365B-R47M	0.47 $\pm$ 20%	0.900	0.700	56.0	37.0
XRK1365B-R68M	0.68 $\pm$ 20%	1.50	1.30	46.0	29.0
XRK1365B-1R0M	1 $\pm$ 20%	1.80	1.50	34.0	26.0
XRK1365B-1R2M	1.2 $\pm$ 20%	2.10	1.80	30.0	22.5
XRK1365B-1R5M	1.5 $\pm$ 20%	2.40	2.00	25.0	21.0
XRK1365B-1R8M	1.8 $\pm$ 20%	2.90	2.60	24.0	19.0
XRK1365B-2R2M	2.2 $\pm$ 20%	3.10	2.60	23.0	18.5
XRK1365B-3R3M	3.3 $\pm$ 20%	4.10	3.60	18.0	16.5
XRK1365B-4R7M	4.7 $\pm$ 20%	7.30	6.30	20.0	13.0
XRK1365B-5R6M	5.6 $\pm$ 20%	8.30	7.20	18.0	12.0
XRK1365B-6R8M	6.8 $\pm$ 20%	11.5	9.50	15.0	10.0
XRK1365B-7R8M	7.8 $\pm$ 20%	11.8	10.3	16.0	10.0
XRK1365B-8R2M	8.2 $\pm$ 20%	11.9	10.3	14.0	10.0
XRK1365B-100M	10 $\pm$ 20%	17.2	15.0	13.5	8.30
XRK1365B-120M	12 $\pm$ 20%	18.9	16.4	12.5	8.00
XRK1365B-150M	15 $\pm$ 20%	23.4	20.3	11.0	7.00
XRK1365B-220M	22 $\pm$ 20%	33.1	28.8	8.00	6.00
XRK1365B-330M	33 $\pm$ 20%	45.0	40.8	7.50	5.00
XRK1365B-560M	56 $\pm$ 20%	65.0	55.0	4.30	4.00

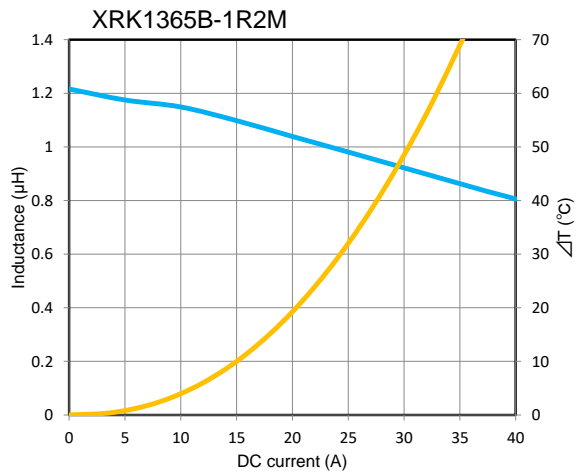
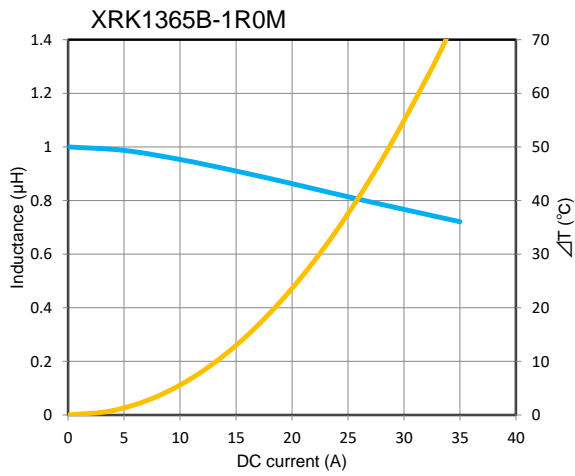
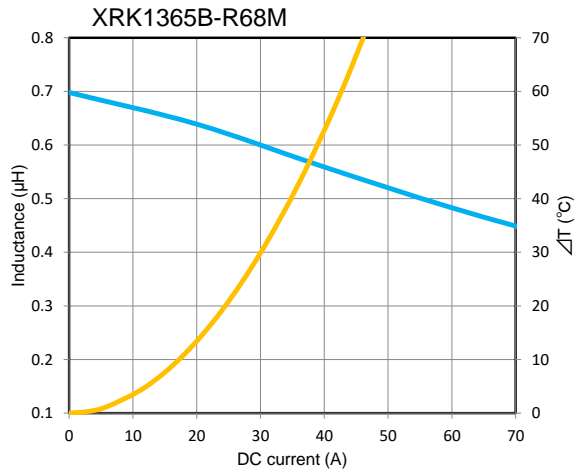
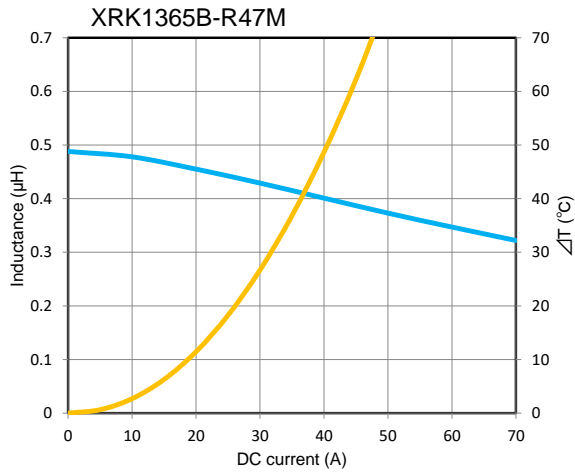
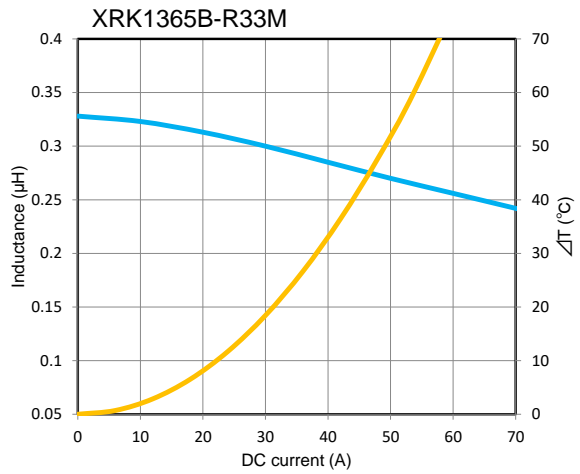
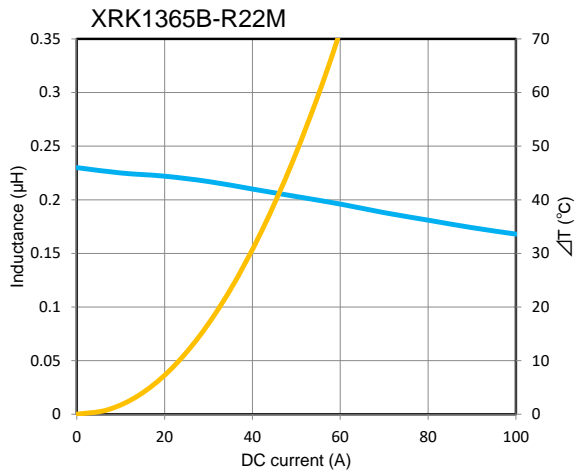
电感量测试条件:100kHz, 1V

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

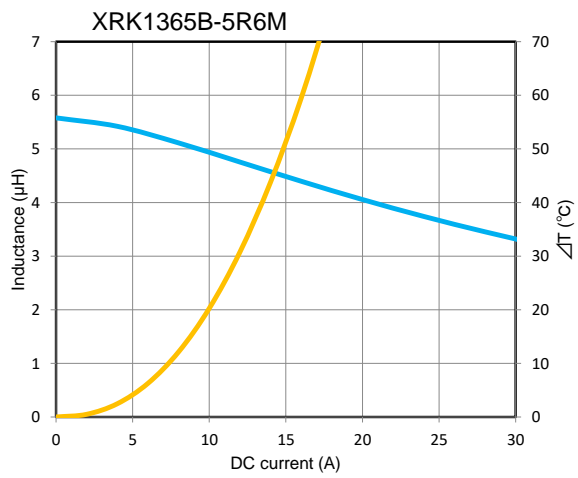
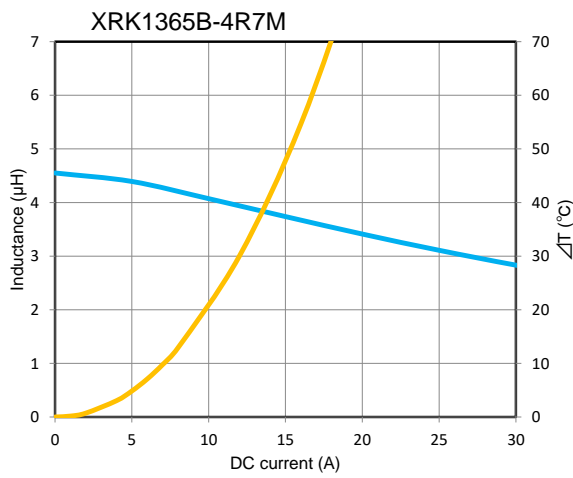
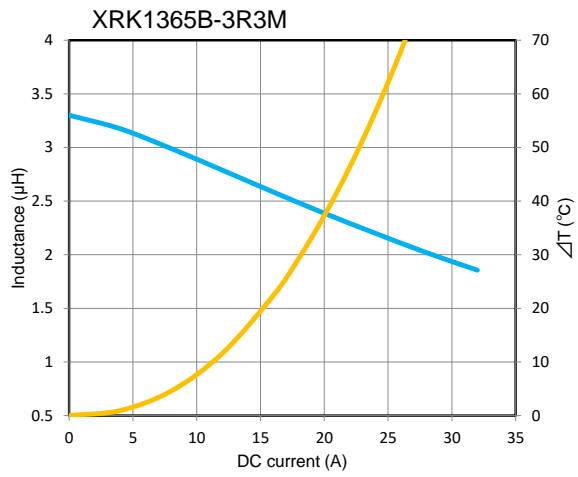
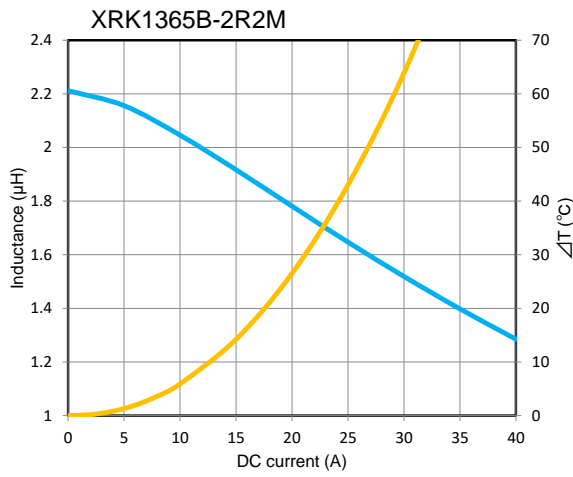
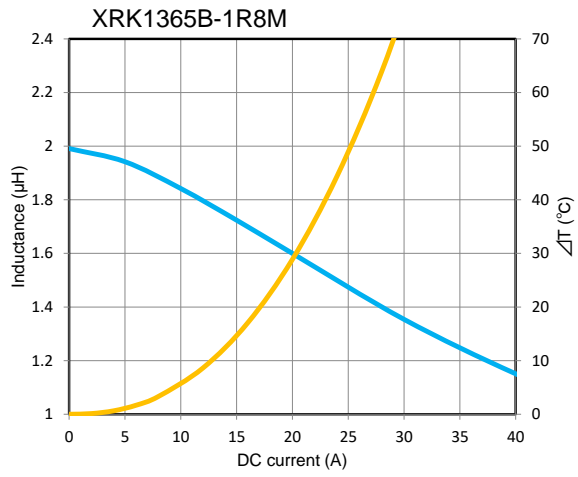
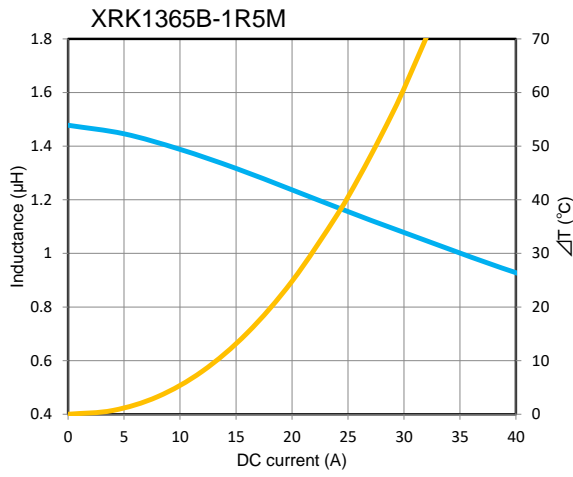
# DC bias characteristics vs Temperature Rise Graph

— L(25°C)      —  $\Delta T$



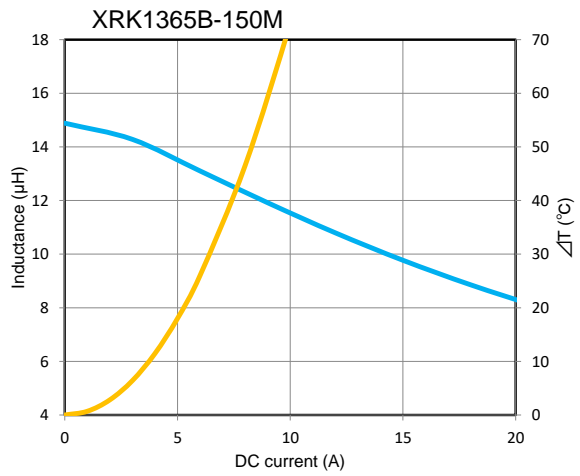
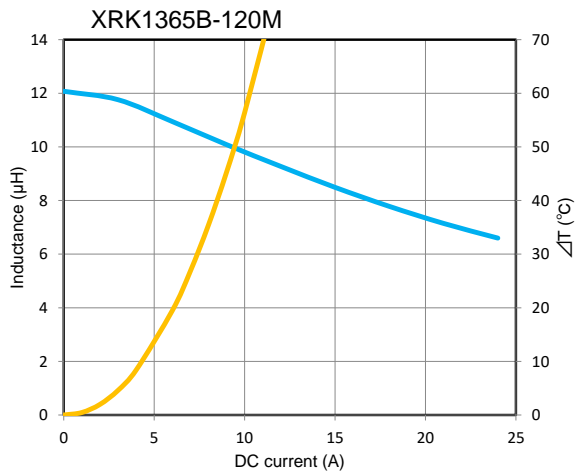
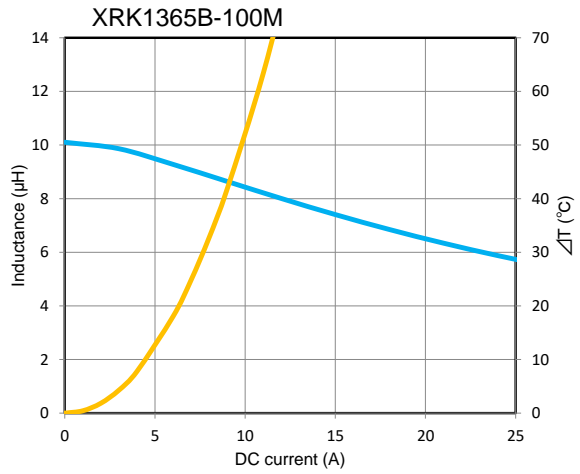
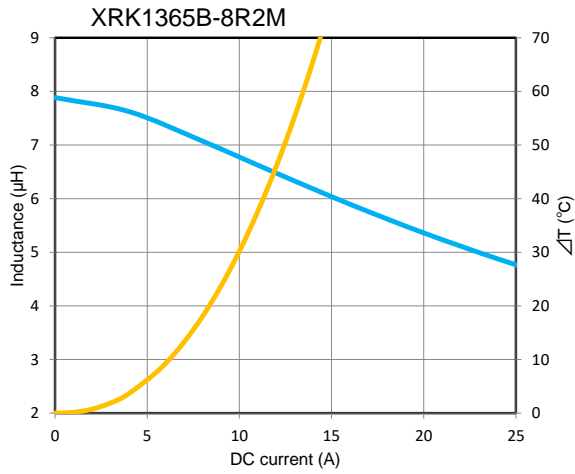
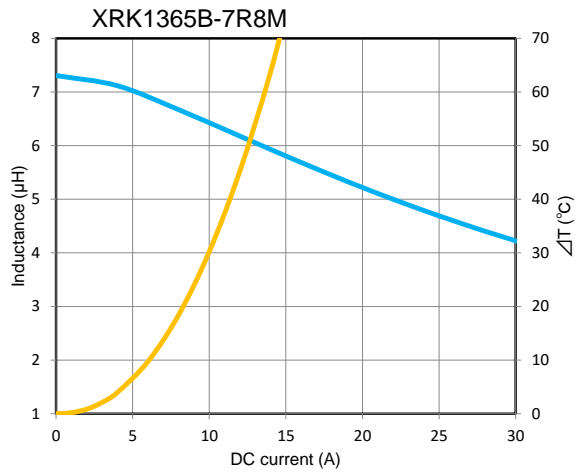
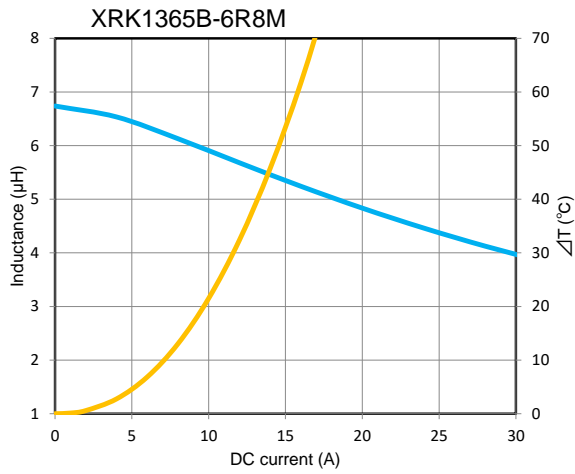
# DC bias characteristics vs Temperature Rise Graph

— L(25°C)      —  $\Delta T$



# DC bias characteristics vs Temperature Rise Graph

— L(25°C)      —  $\Delta T$



# DC bias characteristics vs Temperature Rise Graph



L(25°C)



ΔT

