金属复合功率电感

XRK0420A

NEW　AEC-Q200

■ 特长

- 使用金属磁性材料实现大电流
- 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℃～+125℃（包含自身发热）
- 耐压：100V

磁路构造：

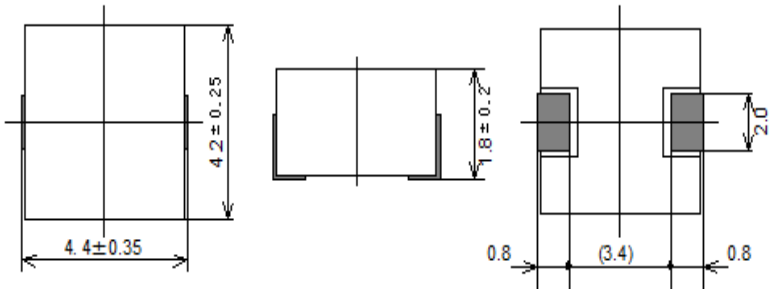
Mold

单体重：　0.19 g

■ 用途

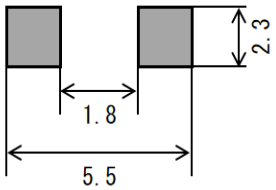
- 音频＆影像/迷你音响，AV功放，业务用功放，照相机，录音机，电视&显示器
- 车载/汽车导航，ECU，LED前灯，汽车音响
- 电脑/打印机，投影仪，个人电脑
- 家电/LED照明
- 其他/工业机器，医疗机器．美容机器，能源，各种电源

■ 外形尺寸



（单位：mm）

■ 推荐焊盘



（单位：mm）

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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。

■ 电气规格

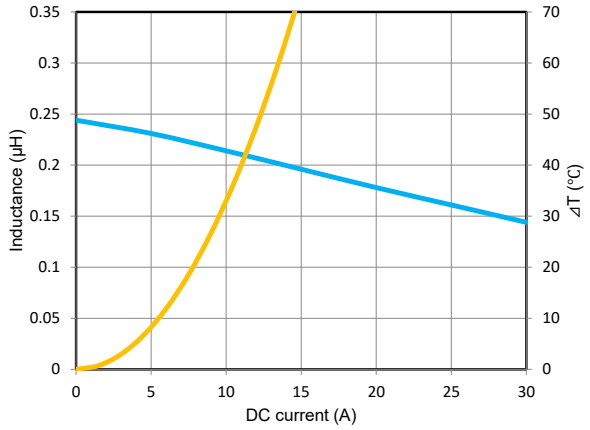
相模品番	电感值 (μH)	直流电阻 (mΩ)		额定直流电流 (A)	额定温度上升电流 (A)
		max.	Typical		
XRK0420A-R24M	0.24±20%	6.40	5.50	23.0	11.0
XRK0420A-R33M	0.33±20%	8.50	7.40	14.0	9.50
XRK0420A-R47M	0.47±20%	12.6	10.6	13.0	8.10
XRK0420A-R68M	0.68±20%	14.0	12.2	10.5	7.50
XRK0420A-1R0M	1±20%	22.3	19.4	8.50	6.50
XRK0420A-1R5M	1.5±20%	30.8	26.8	8.00	4.60
XRK0420A-2R2M	2.2±20%	48.0	41.7	7.50	4.00
XRK0420A-3R3M	3.3±20%	85.1	74.0	5.00	3.30
XRK0420A-4R7M	4.7±20%	113.0	98.5	3.80	2.80
XRK0420A-6R8M	6.8±20%	192.0	167.0	3.50	2.00
XRK0420A-100M	10±20%	265.0	230.0	3.00	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30%的电流值
温度上升容许电流:磁芯表面温度上升至40℃的电流值

DC bias characteristics vs Temperature Rise Graph

L(25℃)　　⊿T

XRK0420A-R24M



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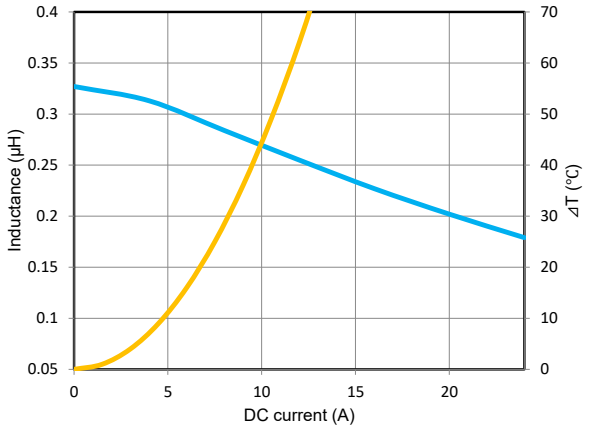

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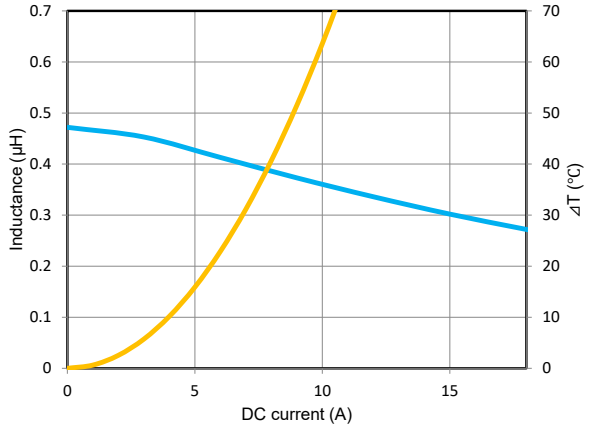

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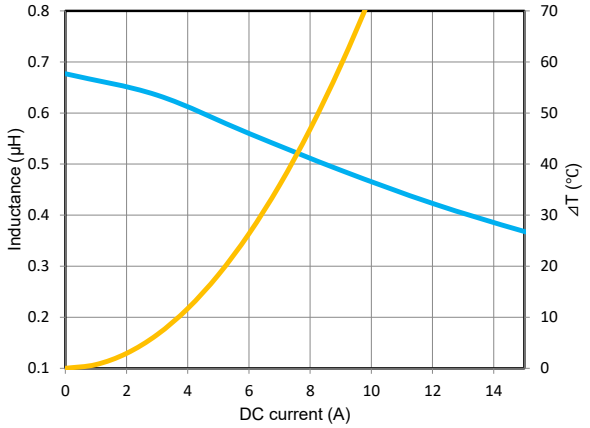

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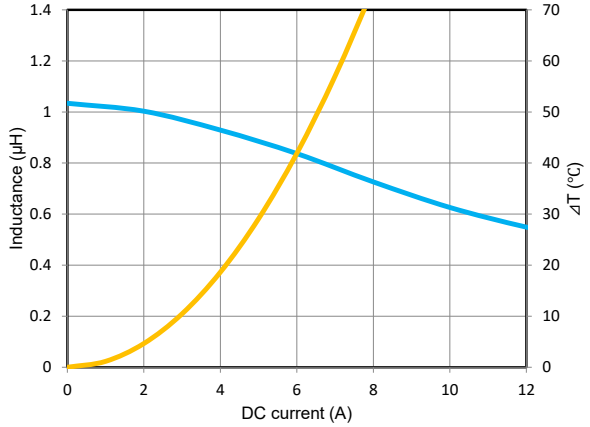

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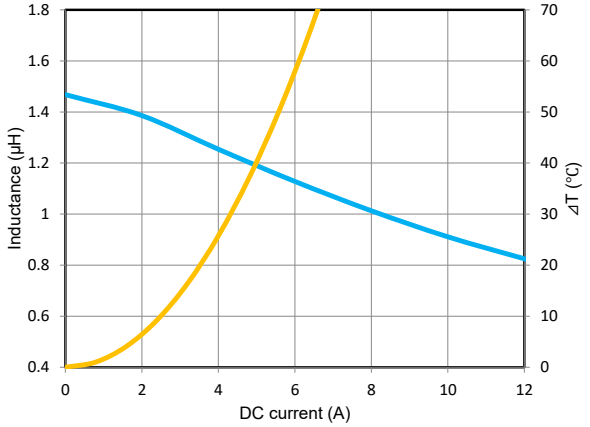

DC bias characteristics vs Temperature Rise Graph

L(25℃)　　⊿T

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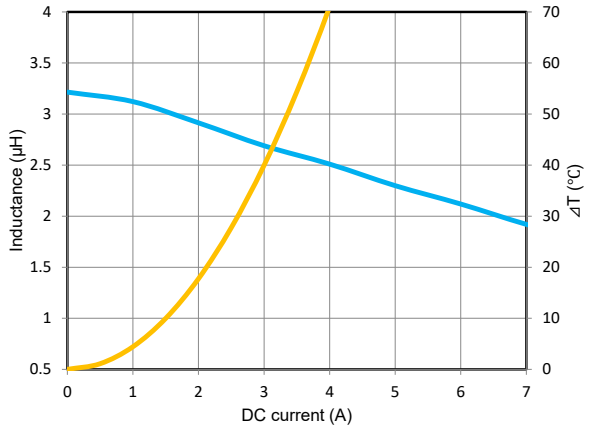

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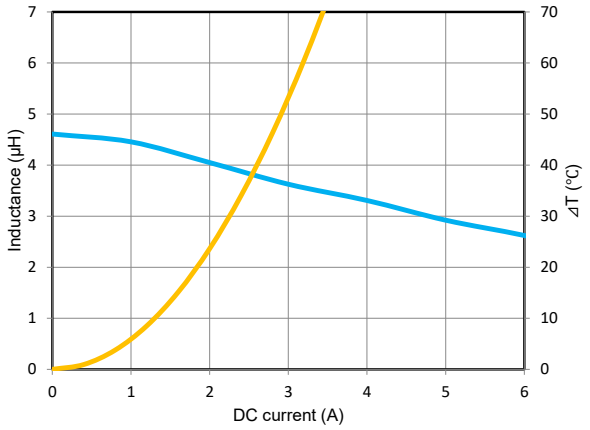

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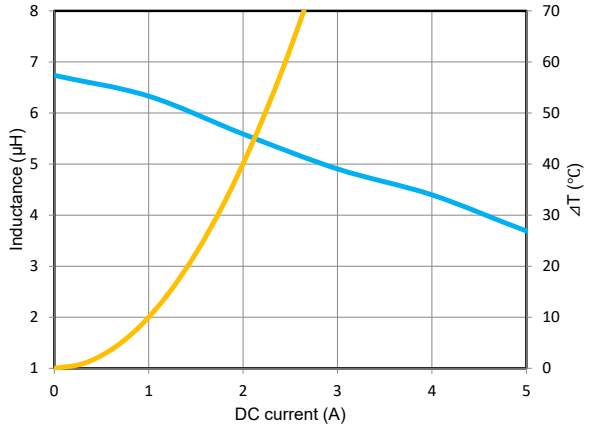
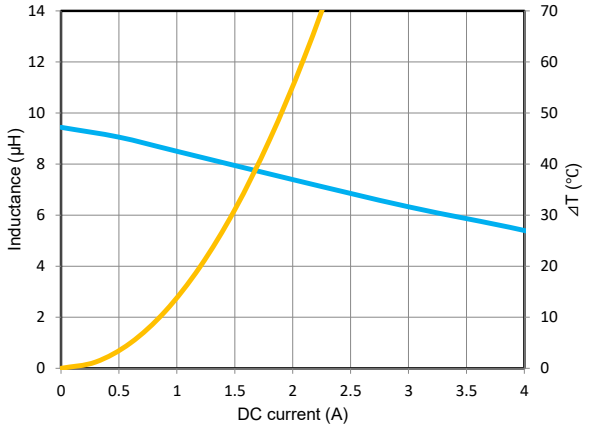
XRK0420A-100M