

CER6042C

新产品

RoHS

AEC-Q200



■ 特长

- 车载上高信赖性使用
- 开磁路结构的贴片功率电感
- 最适合作为电源的扼流线圈用
- 满足AEC-Q200

■ 磁路构造



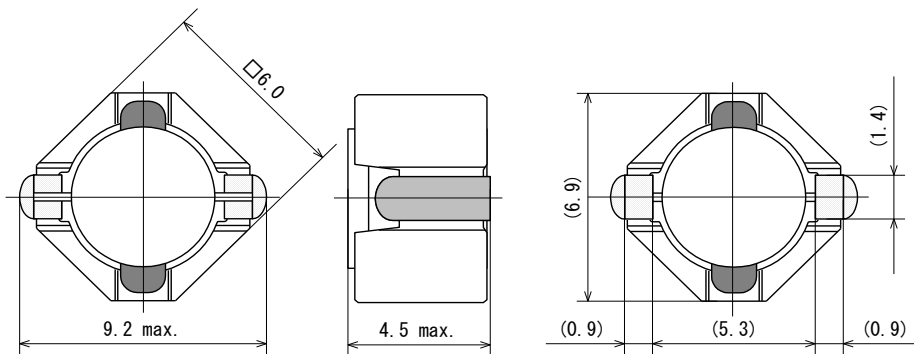
工作温度范围: $-40\text{ }^{\circ}\text{C} \sim +150\text{ }^{\circ}\text{C}$ (包含自身发热)

单体重: 0.5 g

■ 用途

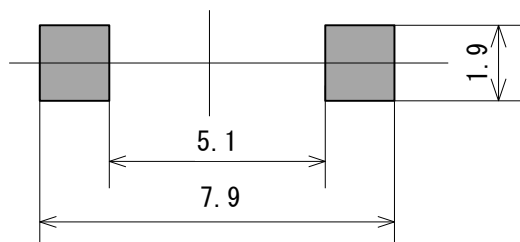
- 汽车音响
- 汽车导航
- ECU
- LED前灯
- 其他
- 各种电源, 工业机器, 医疗机器, 美容机器, 能源

■ 外形尺寸



(单位: mm)

■ 推荐焊盘尺寸



相模电机(深圳)有限公司

深圳市龍華區福城街道新和社区竹村永順街12号、13号
营业部 TEL:0755-27985214
技术部 TEL:0755-27985209

△ 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。

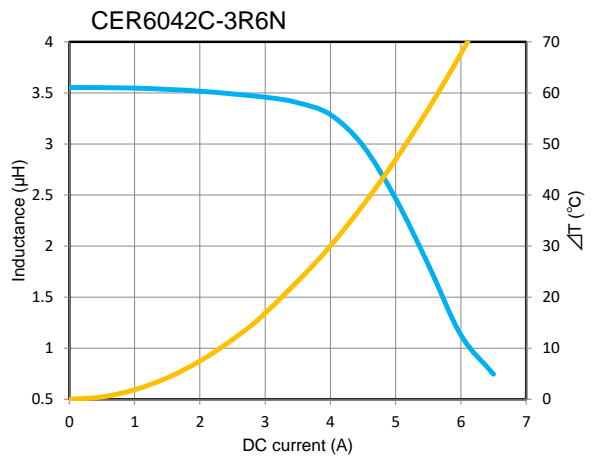
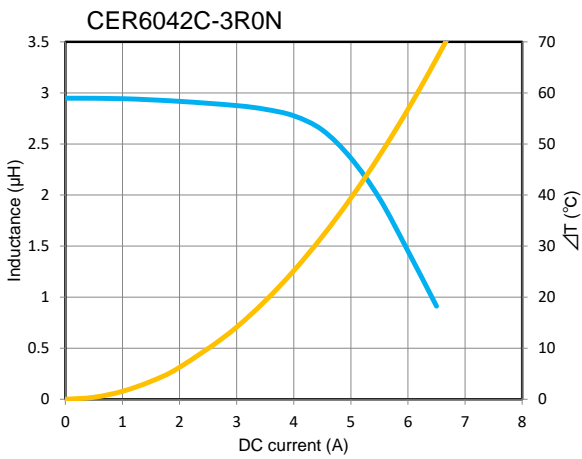
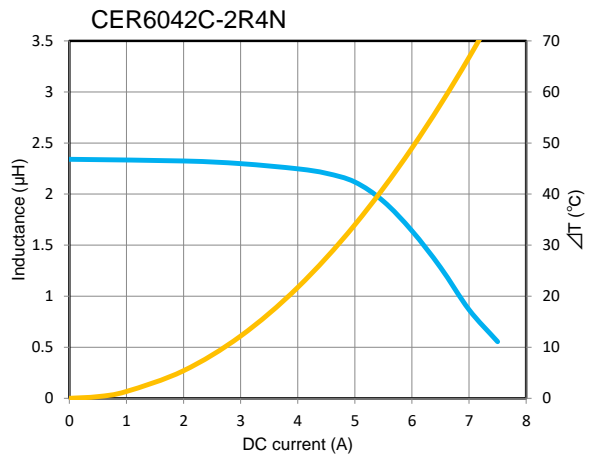
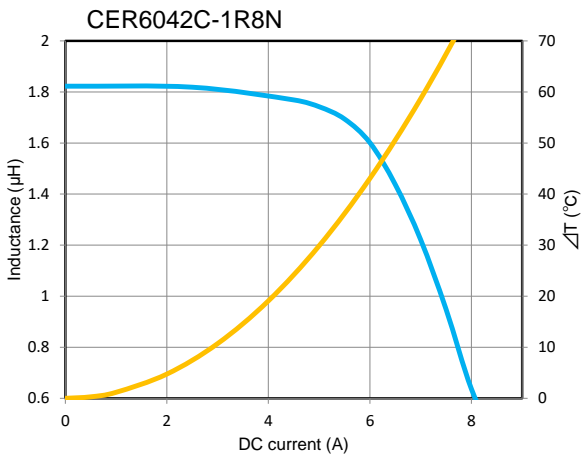
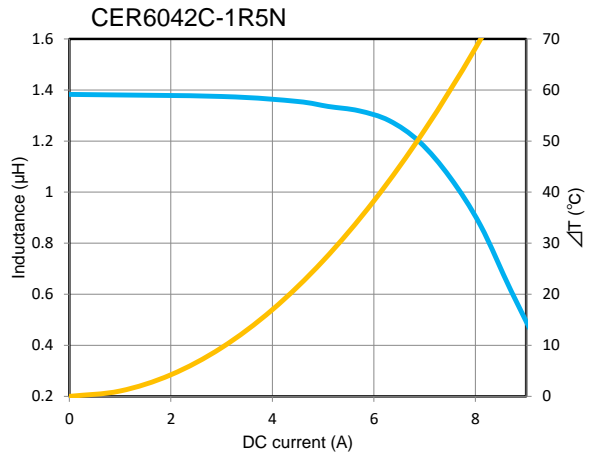
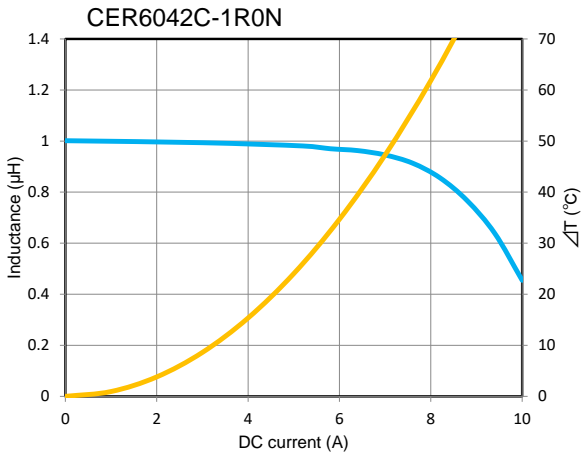
■ 电气规格

相模品番	电感量 (μH)	直流电阻 (Ω) $\pm 30\%$	定格电流			
			直流饱和电流		温度上升电流	
			(A)		(A)	
			Spec.	Typical	Spec.	Typical
CER6042C-1R0N	1.0 $\pm 30\%$	0.0100	7.50	9.10	4.70	6.40
CER6042C-1R5N	1.5 $\pm 30\%$	0.0110	6.40	7.90	4.50	6.10
CER6042C-1R8N	1.8 $\pm 30\%$	0.0130	5.50	6.80	4.20	5.70
CER6042C-2R4N	2.4 $\pm 30\%$	0.0150	4.90	6.10	3.90	5.40
CER6042C-3R0N	3.0 $\pm 30\%$	0.0170	4.40	5.40	3.70	5.00
CER6042C-3R6N	3.6 $\pm 30\%$	0.0190	4.00	5.00	3.40	4.60
CER6042C-4R3N	4.3 $\pm 30\%$	0.0210	3.70	4.50	3.20	4.30
CER6042C-5R1N	5.1 $\pm 30\%$	0.0270	3.30	4.10	2.80	3.80
CER6042C-6R2N	6.2 $\pm 30\%$	0.0320	3.10	3.80	2.50	3.40
CER6042C-6R8N	6.8 $\pm 30\%$	0.0390	2.80	3.50	2.30	3.10
CER6042C-8R2N	8.2 $\pm 30\%$	0.0510	2.60	3.30	2.00	2.70
CER6042C-100M	10 $\pm 20\%$	0.0580	2.40	2.90	1.80	2.50
CER6042C-120M	12 $\pm 20\%$	0.0720	2.30	2.80	1.60	2.20
CER6042C-150M	15 $\pm 20\%$	0.110	1.85	2.30	1.30	1.75
CER6042C-180M	18 $\pm 20\%$	0.120	1.70	2.15	1.25	1.70
CER6042C-220M	22 $\pm 20\%$	0.130	1.60	2.00	1.20	1.60
CER6042C-270M	27 $\pm 20\%$	0.150	1.45	1.80	1.15	1.55
CER6042C-330M	33 $\pm 20\%$	0.170	1.30	1.65	1.10	1.45
CER6042C-390M	39 $\pm 20\%$	0.190	1.20	1.50	1.05	1.40
CER6042C-470M	47 $\pm 20\%$	0.210	1.10	1.40	0.950	1.35
CER6042C-560M	56 $\pm 20\%$	0.230	1.00	1.25	0.900	1.25
CER6042C-680M	68 $\pm 20\%$	0.310	0.900	1.15	0.800	1.05
CER6042C-820M	82 $\pm 20\%$	0.410	0.850	1.05	0.650	0.900
CER6042C-101M	100 $\pm 20\%$	0.460	0.750	0.950	0.600	0.850
CER6042C-121M	120 $\pm 20\%$	0.640	0.700	0.850	0.500	0.700
CER6042C-151M	150 $\pm 20\%$	0.730	0.600	0.750	0.480	0.650
CER6042C-181M	180 $\pm 20\%$	0.800	0.550	0.700	0.450	0.600
CER6042C-221M	220 $\pm 20\%$	0.910	0.520	0.650	0.430	0.580
CER6042C-271M	270 $\pm 20\%$	1.04	0.460	0.580	0.410	0.530
CER6042C-331M	330 $\pm 20\%$	1.28	0.430	0.530	0.360	0.480
CER6042C-391M	390 $\pm 20\%$	1.62	0.390	0.480	0.320	0.430
CER6042C-471M	470 $\pm 20\%$	2.15	0.350	0.430	0.290	0.390
CER6042C-561M	560 $\pm 20\%$	2.81	0.320	0.400	0.250	0.330
CER6042C-681M	680 $\pm 20\%$	3.16	0.290	0.360	0.230	0.310
CER6042C-821M	820 $\pm 20\%$	3.53	0.270	0.330	0.220	0.300

- 电感量测试条件 : 100kHz, 1V
- 定格电流: 直流饱和电流和温度上升电流中较小的值
 1. 直流饱和电流 (Spec.) : 初期电感量下降 30% 以内 的电流值
 - 直流饱和电流 (Typical) : 初期电感量下降 30% 的电流值
 2. 温度上升电流 (Spec.) : 磁芯表面温度上升至 40℃ 以下 的直流电流
 - 温度上升电流 (Typical) : 磁芯表面温度上升至 40℃ 的直流电流

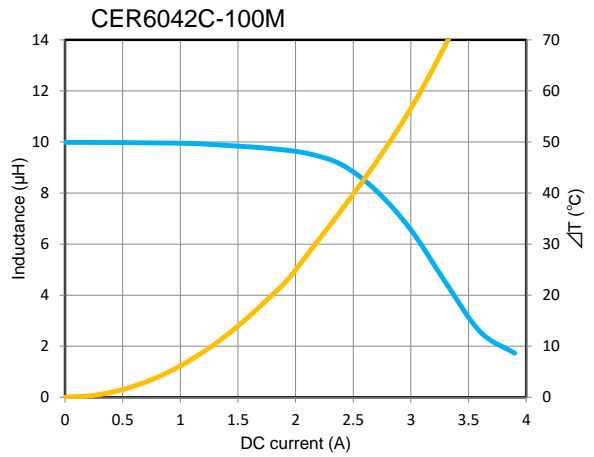
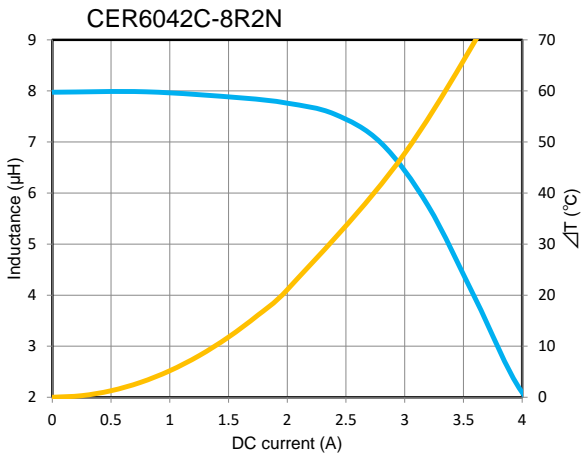
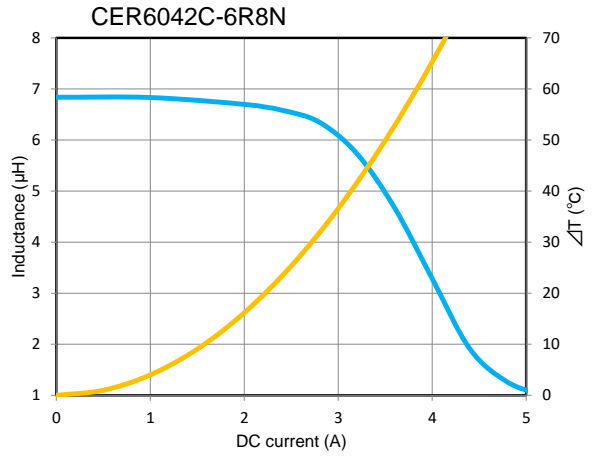
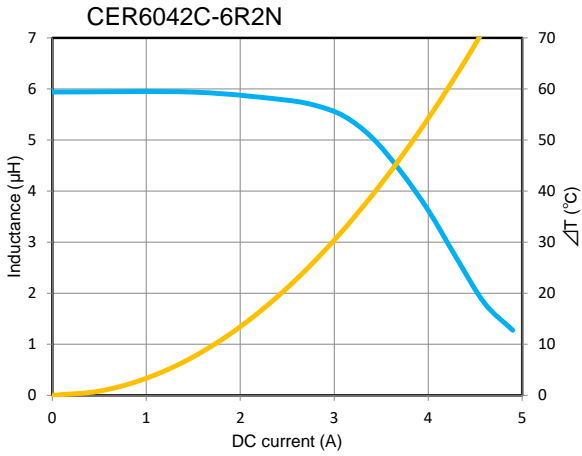
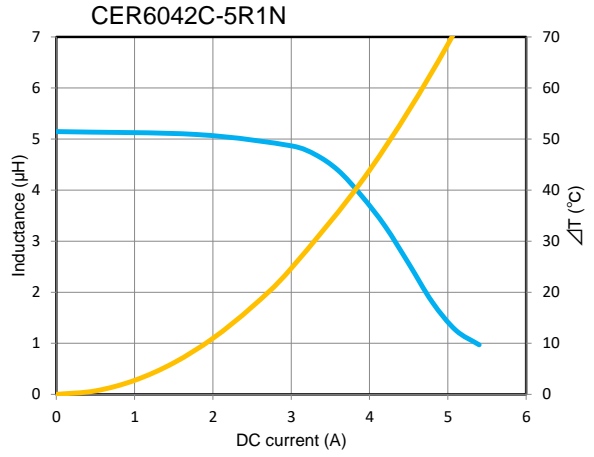
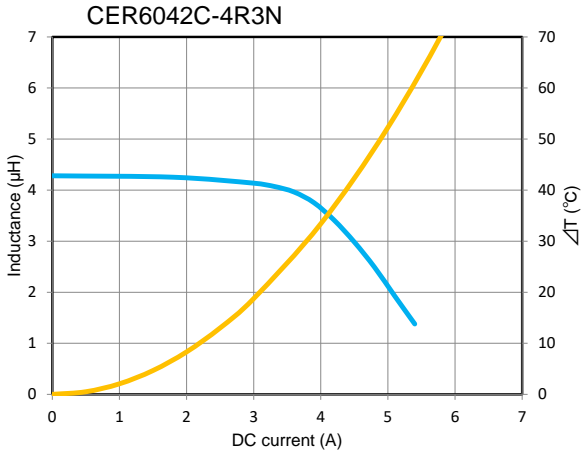
DC bias characteristics vs Temperature Rise Graph

■ L(25°C) ■ ΔT



DC bias characteristics vs Temperature Rise Graph

■ L(25°C) ■ ΔT



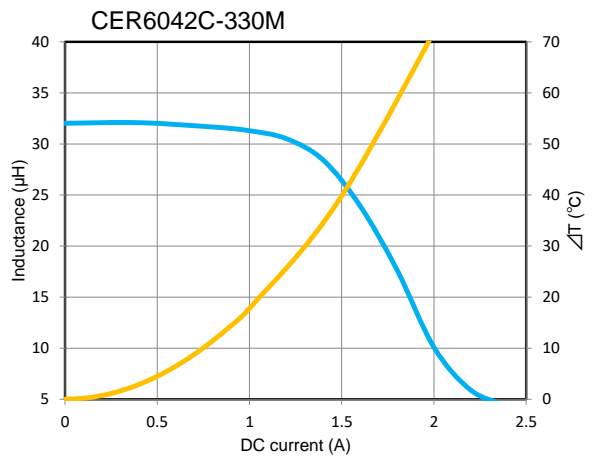
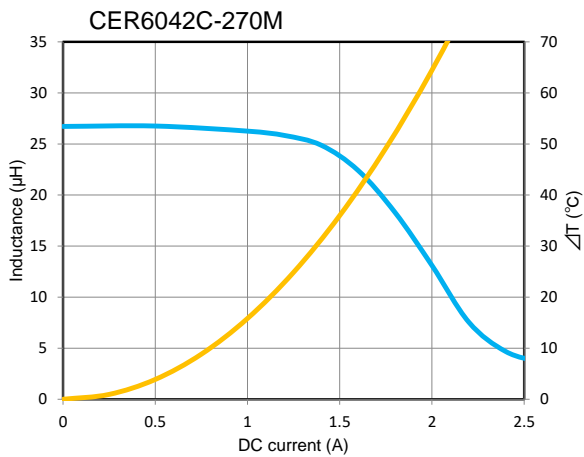
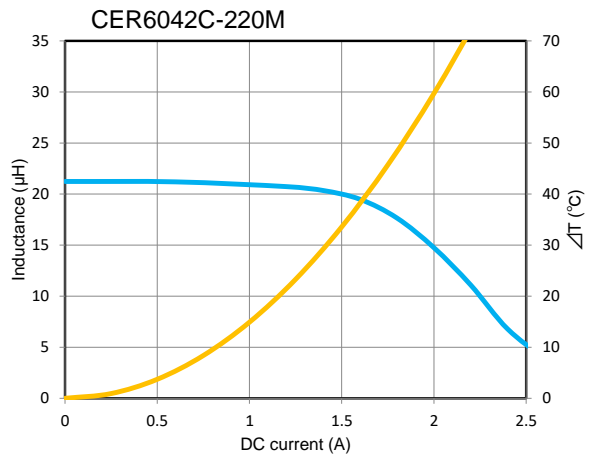
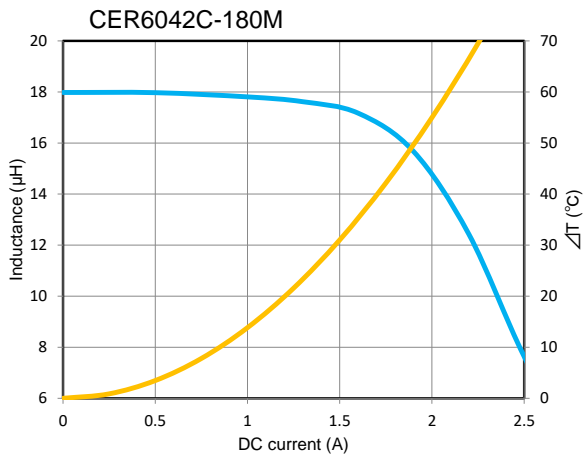
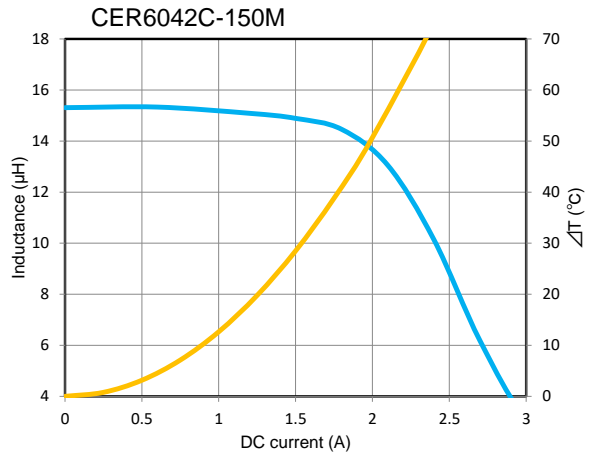
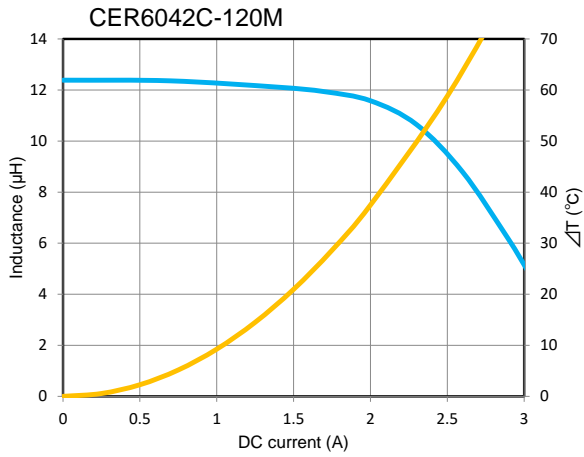
DC bias characteristics vs Temperature Rise Graph



L(25°C)

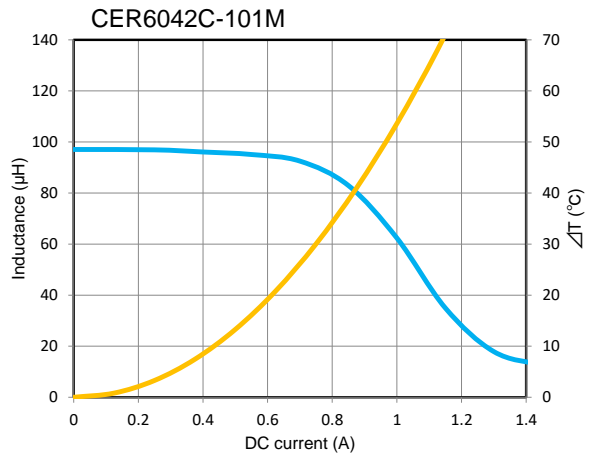
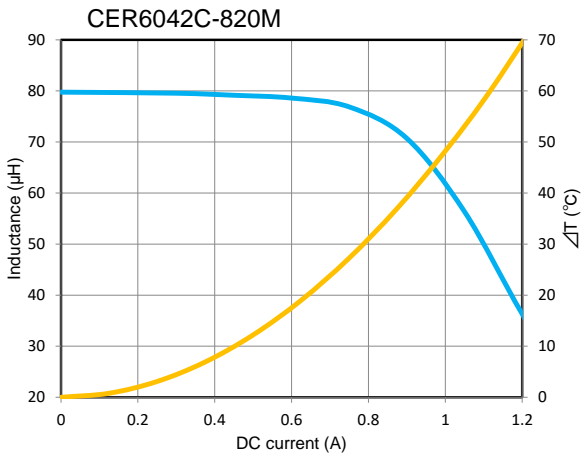
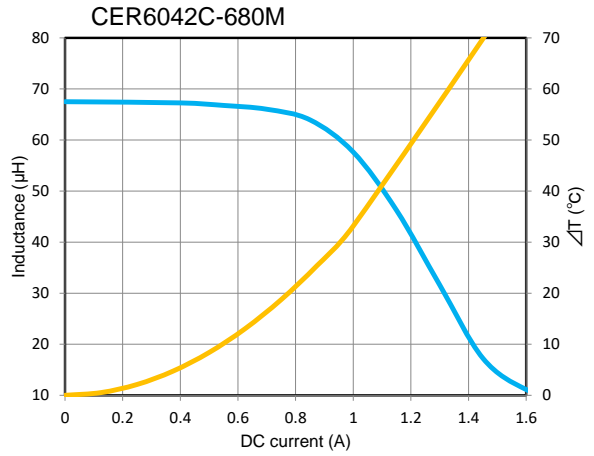
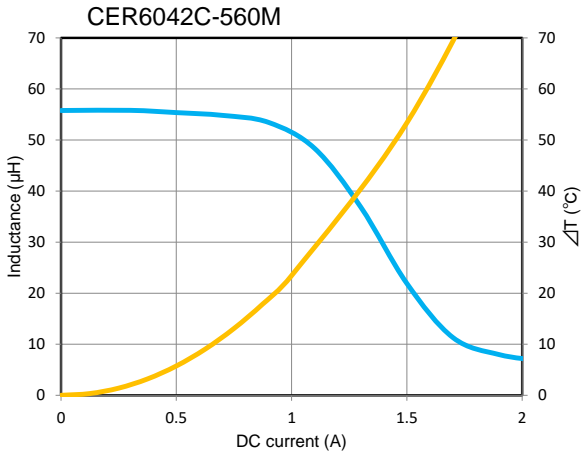
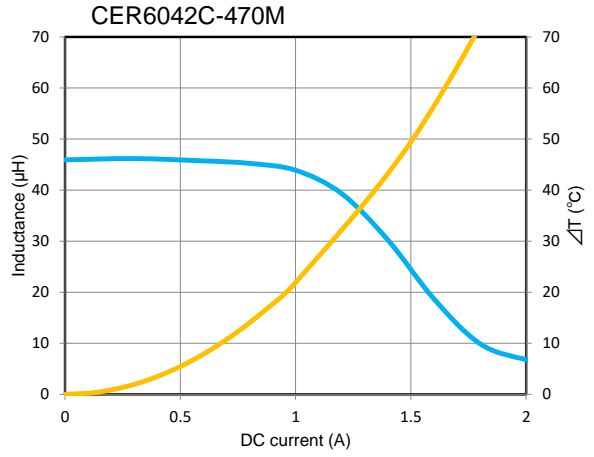
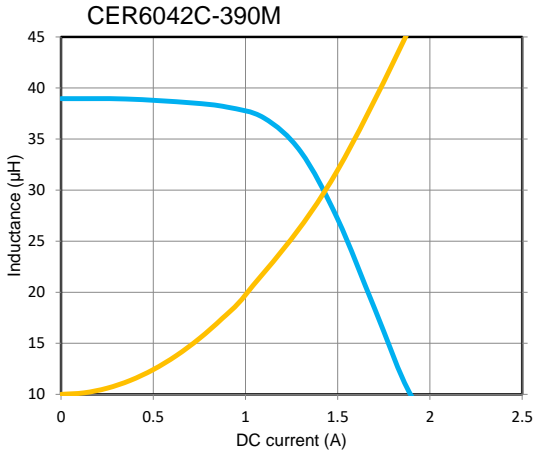


ΔT



DC bias characteristics vs Temperature Rise Graph

■ L(25°C) ■ ΔT



DC bias characteristics vs Temperature Rise Graph

■ L(25°C) ■ ΔT

