

CER6027C

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
- 符合AEC-Q200
- 工作温度范围：-40℃~+150℃（包含自身发热）

磁路构造：

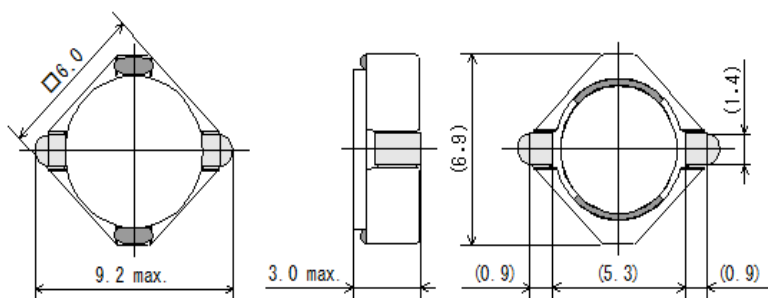


单体重： 0.36 g

■ 用途

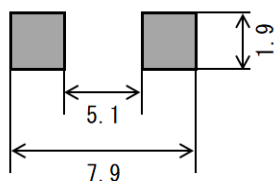
- 车载/ECU, LED前灯, 汽车音响, 汽车导航
- 其他/医疗机器, 美容机器, 能源, 各种电源, 工业机器

■ 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 (μ H)	直流电阻 (Ω) $\pm 30\%$	额定 直流电流 (A)		额定温度 上升电流 (A)	
			Typical	Spec	Typical	Spec
CER6027C-1R2N	1.2 $\pm 30\%$	0.0098	5.54	3.60	6.70	5.20
CER6027C-1R5N	1.5 $\pm 30\%$	0.0130	4.69	3.40	6.00	4.60
CER6027C-2R2N	2.2 $\pm 30\%$	0.0170	4.36	2.70	5.00	4.00
CER6027C-3R3N	3.3 $\pm 30\%$	0.0220	3.95	2.60	4.40	3.50
CER6027C-3R9N	3.9 $\pm 30\%$	0.0250	3.23	2.20	4.10	3.30
CER6027C-4R7N	4.7 $\pm 30\%$	0.0310	2.94	2.10	3.60	2.90
CER6027C-5R6N	5.6 $\pm 30\%$	0.0350	2.57	1.90	3.40	2.80
CER6027C-6R8N	6.8 $\pm 30\%$	0.0430	2.41	1.70	3.00	2.40
CER6027C-8R2N	8.2 $\pm 30\%$	0.0480	2.35	1.60	2.80	2.30
CER6027C-100M	10 $\pm 20\%$	0.0580	2.03	1.40	2.50	2.00
CER6027C-120M	12 $\pm 20\%$	0.0690	1.73	1.30	2.30	1.80
CER6027C-150M	15 $\pm 20\%$	0.0860	1.65	1.20	2.00	1.60
CER6027C-180M	18 $\pm 20\%$	0.0990	1.56	1.10	1.90	1.50
CER6027C-220M	22 $\pm 20\%$	0.120	1.41	1.00	1.70	1.30
CER6027C-270M	27 $\pm 20\%$	0.140	1.20	0.900	1.50	1.20
CER6027C-330M	33 $\pm 20\%$	0.200	1.08	0.800	1.30	1.05
CER6027C-390M	39 $\pm 20\%$	0.210	1.00	0.750	1.25	0.980
CER6027C-470M	47 $\pm 20\%$	0.290	0.930	0.670	1.05	0.870
CER6027C-560M	56 $\pm 20\%$	0.320	0.850	0.630	0.990	0.830
CER6027C-680M	68 $\pm 20\%$	0.390	0.800	0.570	0.880	0.710
CER6027C-820M	82 $\pm 20\%$	0.450	0.660	0.530	0.820	0.660
CER6027C-101M	100 $\pm 20\%$	0.560	0.650	0.480	0.730	0.600
CER6027C-121M	120 $\pm 20\%$	0.620	0.600	0.450	0.690	0.560
CER6027C-151M	150 $\pm 20\%$	0.900	0.540	0.380	0.560	0.470
CER6027C-181M	180 $\pm 20\%$	1.00	0.480	0.360	0.530	0.430
CER6027C-221M	220 $\pm 20\%$	1.55	0.410	0.280	0.420	0.360
CER6027C-271M	270 $\pm 20\%$	1.75	0.370	0.260	0.390	0.330

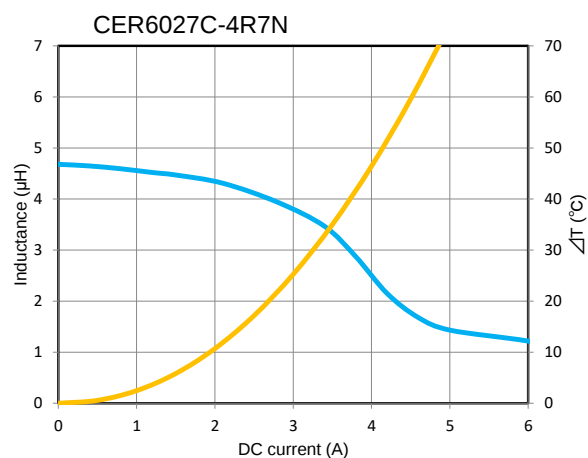
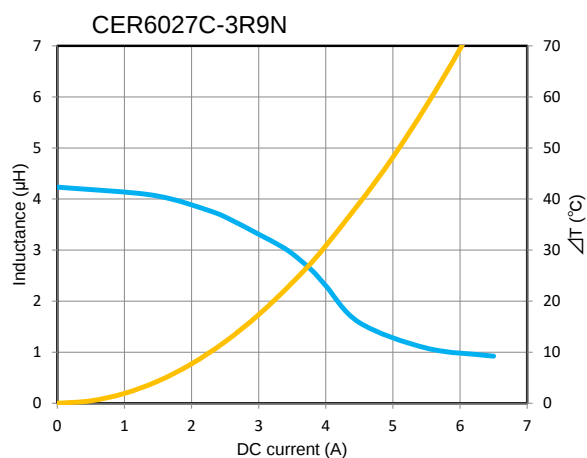
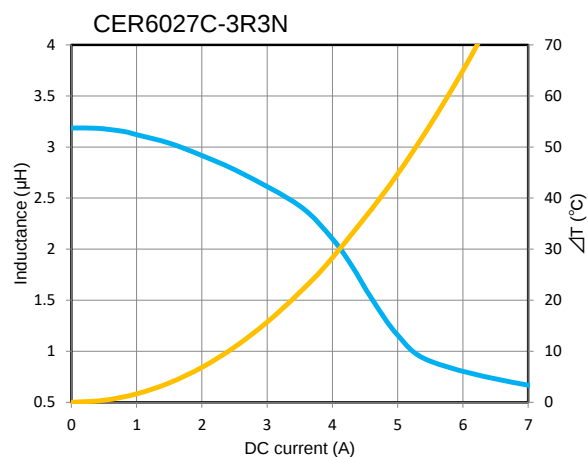
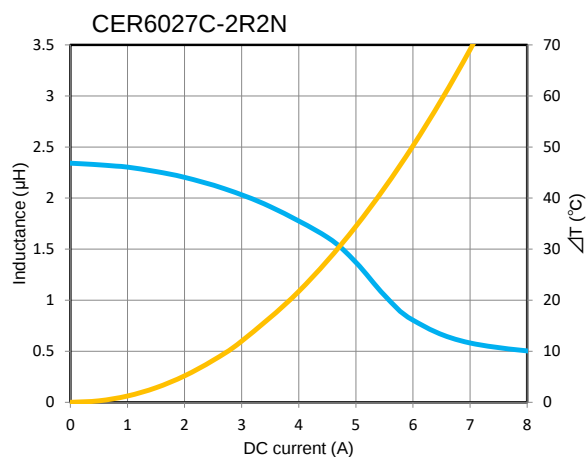
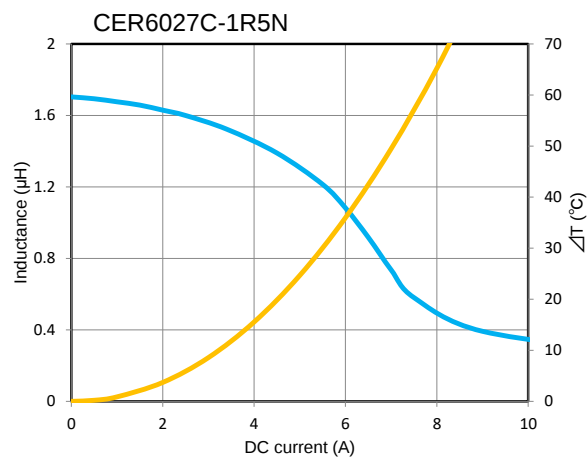
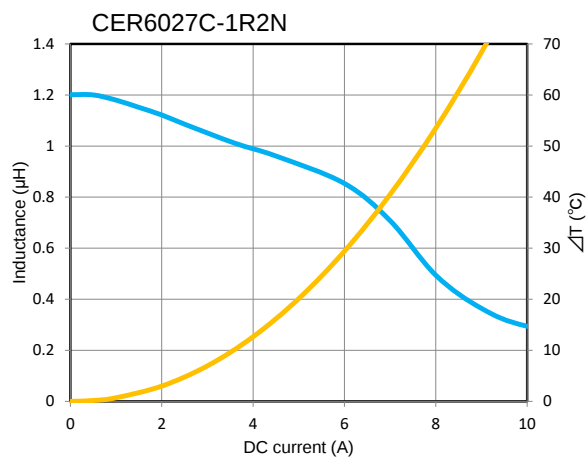
电感量测试条件:100kHz, 1V(<10 μ H)、1kHz, 1V($\geq 10\mu$ H)

直流饱和容许电流:电感值下降至初始值的30%以内的电流值

温度上升容许电流:磁芯表面温度上升至40℃以下的电流值

DC bias characteristics vs Temperature Rise Graph

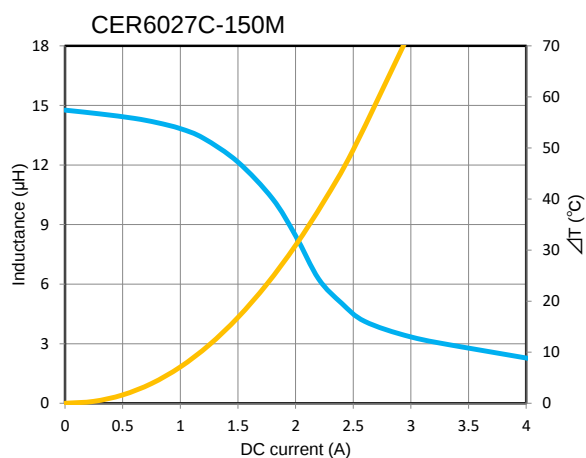
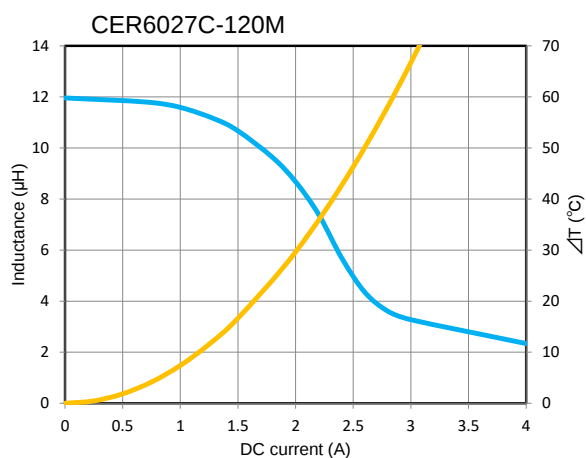
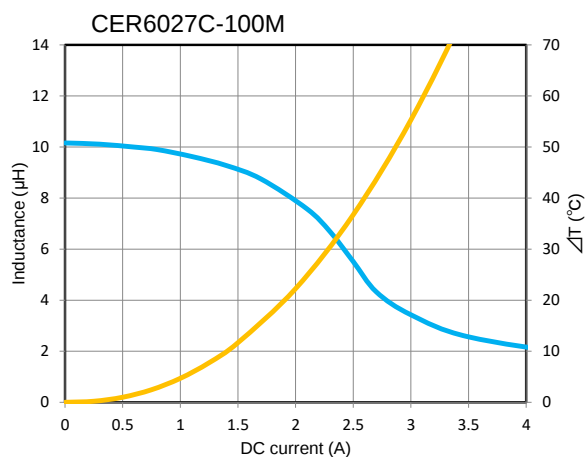
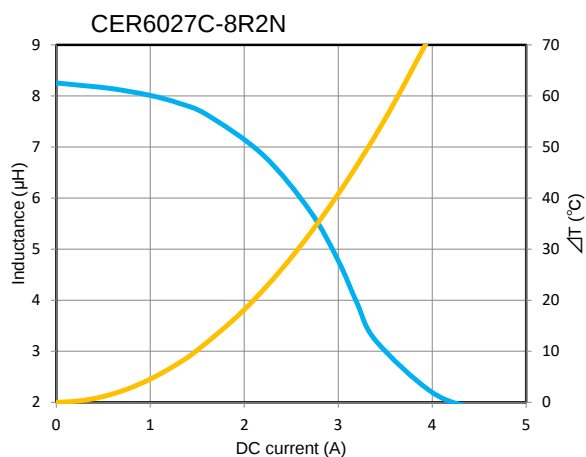
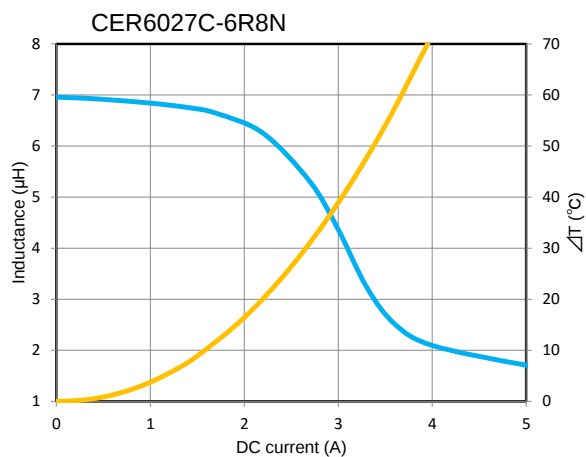
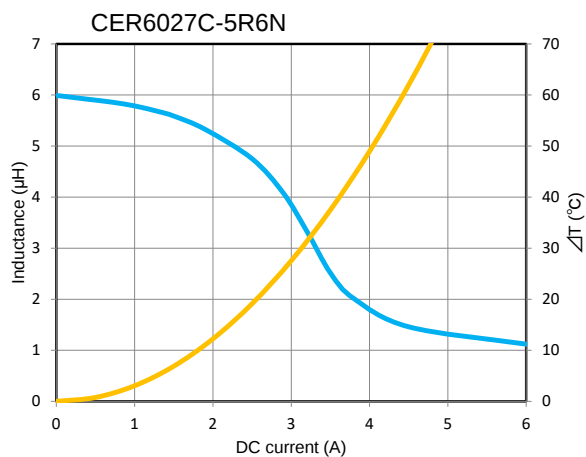
■ L(25°C) ■ ΔT



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■ $L(25^{\circ}\text{C})$
■ ΔT



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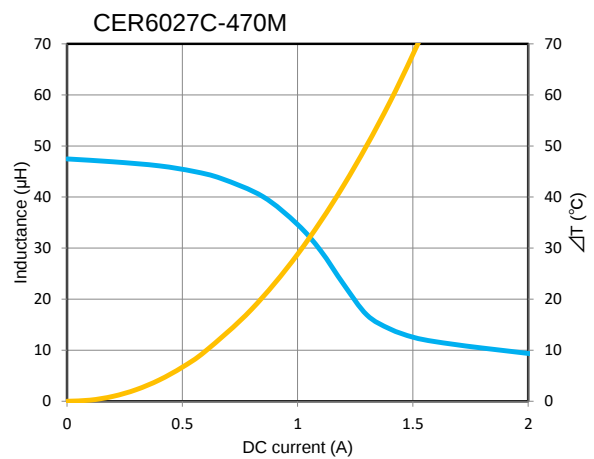
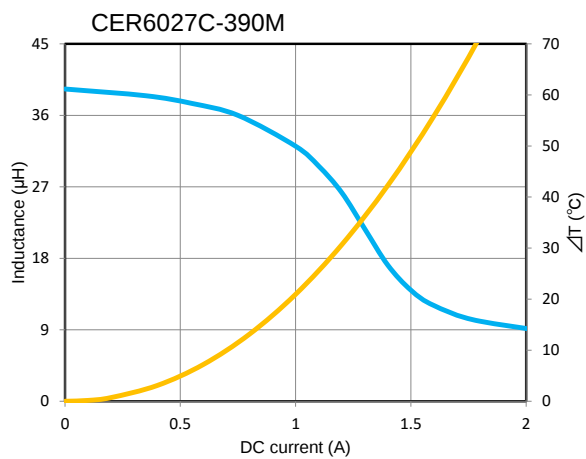
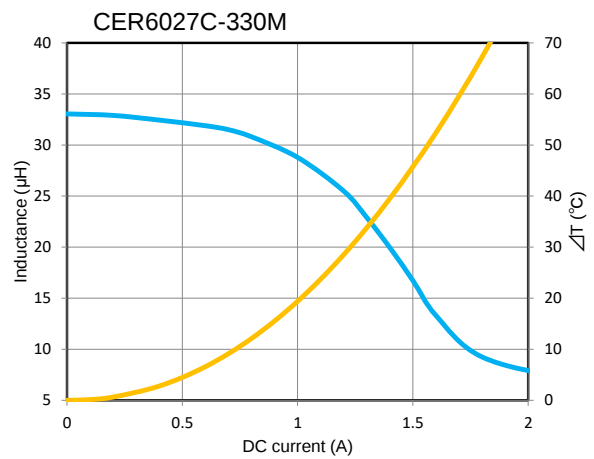
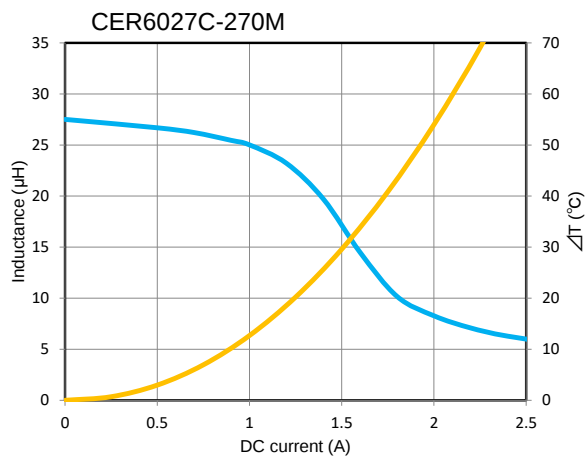
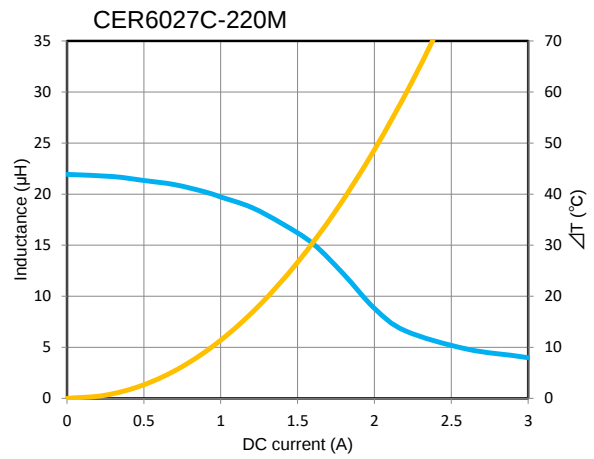
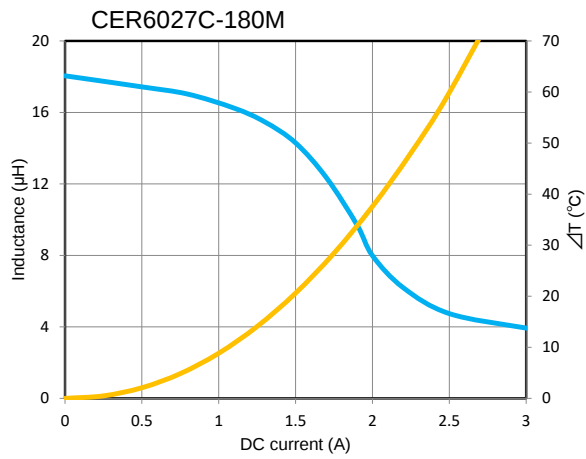
DC bias characteristics vs Temperature Rise Graph



L(25°C)



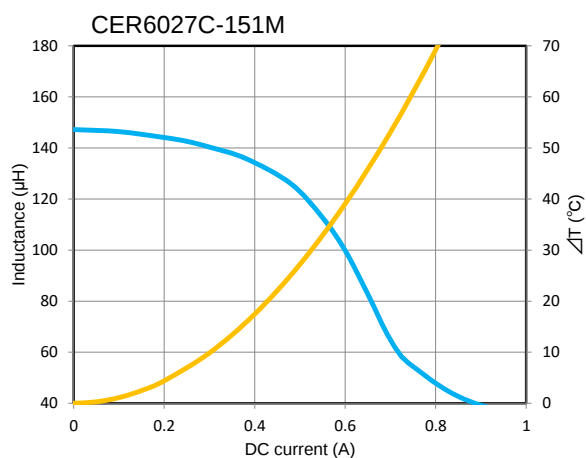
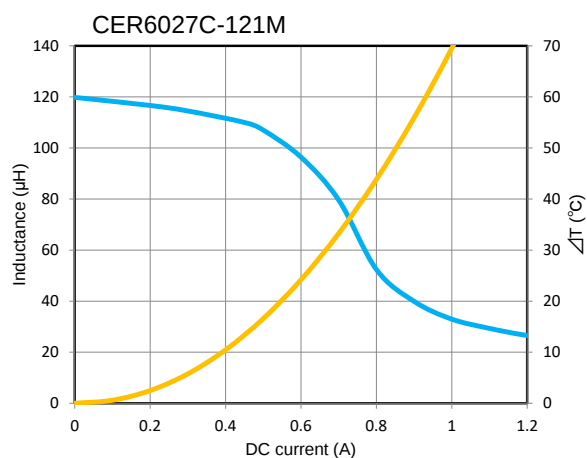
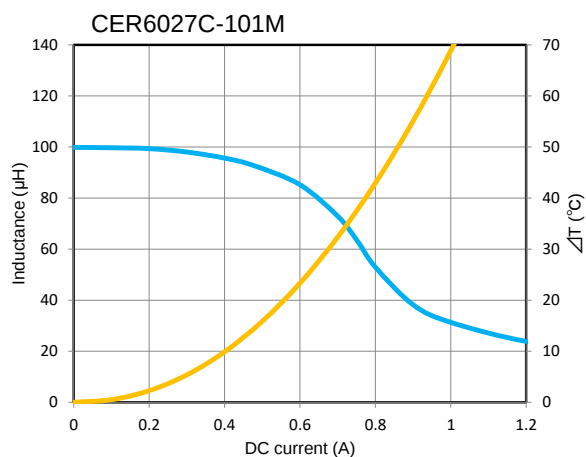
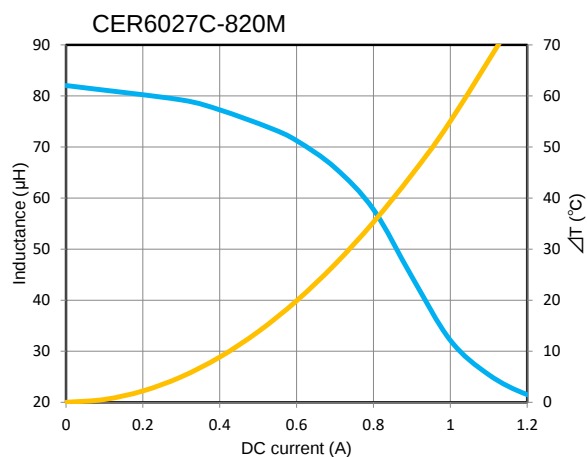
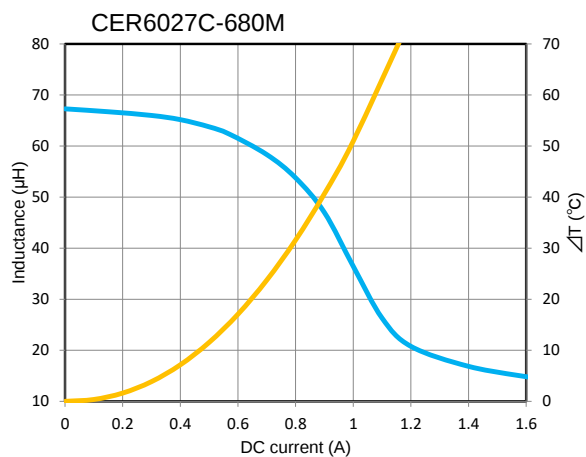
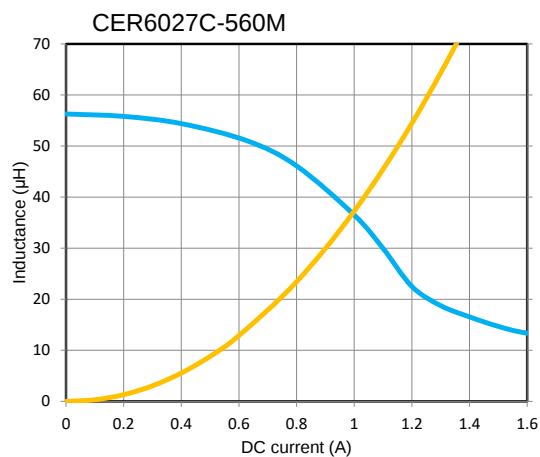
ΔT



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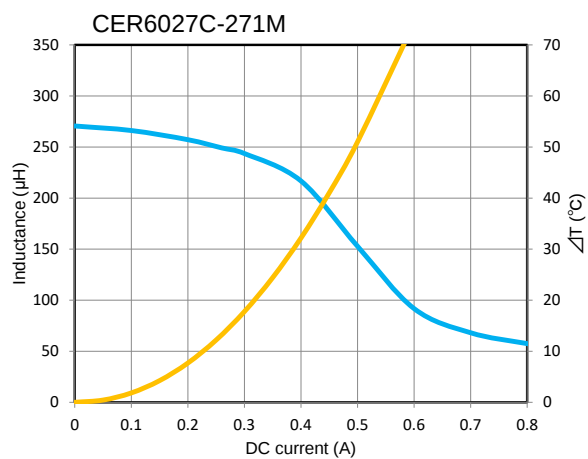
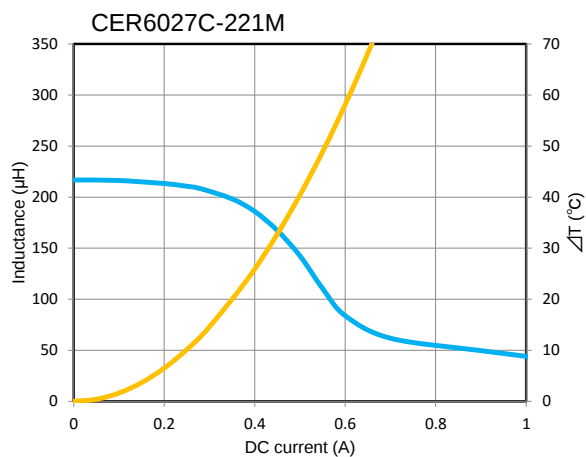
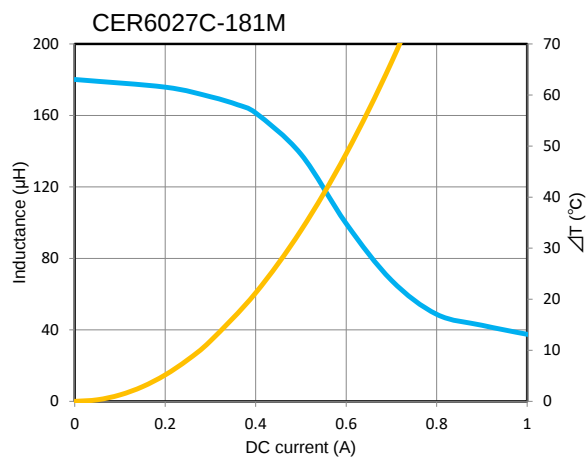
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