

CER1242C

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：

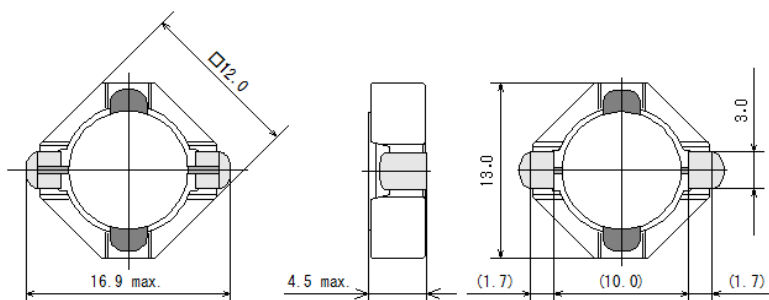


单体重： 2.1 g

■ 用途

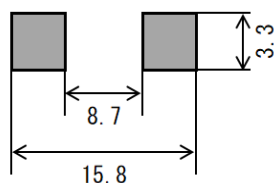
- 车载/汽车音响, 汽车导航, ECU, LED前灯
- 其他/各种电源, 工业机器, 医疗机器, 美容机器, 能源

■ 外形尺寸



(单位：mm)

■ 推荐焊盘



(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
CER1242C-1R3N	1.3 $\pm 30\%$	0.00600	16.0	12.0	9.90	6.80
CER1242C-2R2N	2.2 $\pm 30\%$	0.00800	12.0	9.00	8.75	5.95
CER1242C-3R3N	3.3 $\pm 30\%$	0.0100	10.4	7.20	7.75	5.30
CER1242C-4R7N	4.7 $\pm 30\%$	0.0120	8.90	6.60	7.05	4.85
CER1242C-6R2N	6.2 $\pm 30\%$	0.0140	7.80	5.40	6.50	4.50
CER1242C-7R5N	7.5 $\pm 30\%$	0.0160	7.00	4.90	6.00	4.20
CER1242C-100M	10 $\pm 20\%$	0.0210	6.25	4.50	5.20	3.60
CER1242C-120M	12 $\pm 20\%$	0.0260	5.55	4.00	4.60	3.30
CER1242C-150M	15 $\pm 20\%$	0.0290	5.15	3.60	4.35	3.10
CER1242C-180M	18 $\pm 20\%$	0.0380	4.45	3.10	3.75	2.70
CER1242C-220M	22 $\pm 20\%$	0.0450	4.15	2.80	3.40	2.50
CER1242C-270M	27 $\pm 20\%$	0.0560	3.65	2.55	3.05	2.20
CER1242C-330M	33 $\pm 20\%$	0.0650	3.50	2.25	2.85	1.95
CER1242C-390M	39 $\pm 20\%$	0.0840	3.10	2.10	2.45	1.75
CER1242C-470M	47 $\pm 20\%$	0.0950	2.60	1.82	2.30	1.65
CER1242C-560M	56 $\pm 20\%$	0.120	2.45	1.75	2.05	1.44
CER1242C-680M	68 $\pm 20\%$	0.140	2.30	1.65	1.85	1.35
CER1242C-820M	82 $\pm 20\%$	0.160	2.05	1.48	1.70	1.23
CER1242C-101M	100 $\pm 20\%$	0.200	1.80	1.33	1.55	1.15
CER1242C-121M	120 $\pm 20\%$	0.230	1.70	1.24	1.40	1.02
CER1242C-151M	150 $\pm 20\%$	0.290	1.50	1.05	1.25	0.920
CER1242C-181M	180 $\pm 20\%$	0.350	1.35	0.980	1.15	0.820
CER1242C-221M	220 $\pm 20\%$	0.450	1.20	0.930	1.00	0.730
CER1242C-271M	270 $\pm 20\%$	0.550	1.10	0.820	0.910	0.660
CER1242C-331M	330 $\pm 20\%$	0.670	1.00	0.700	0.810	0.590
CER1242C-391M	390 $\pm 20\%$	0.820	0.920	0.650	0.740	0.520
CER1242C-471M	470 $\pm 20\%$	0.920	0.830	0.580	0.690	0.480
CER1242C-561M	560 $\pm 20\%$	1.10	0.760	0.540	0.630	0.450
CER1242C-681M	680 $\pm 20\%$	1.37	0.690	0.510	0.560	0.400
CER1242C-821M	820 $\pm 20\%$	1.67	0.640	0.450	0.500	0.360
CER1242C-102M	1000 $\pm 20\%$	1.87	0.580	0.430	0.470	0.340

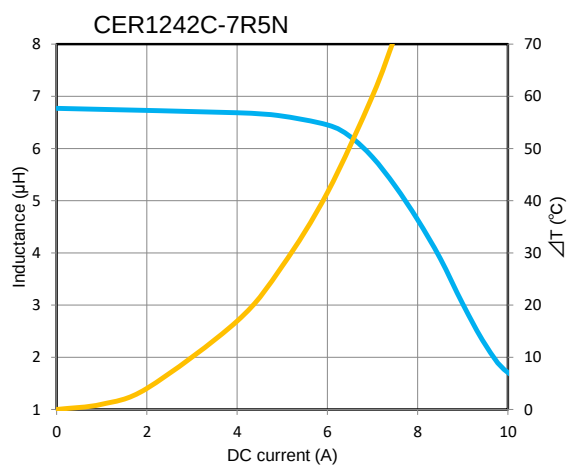
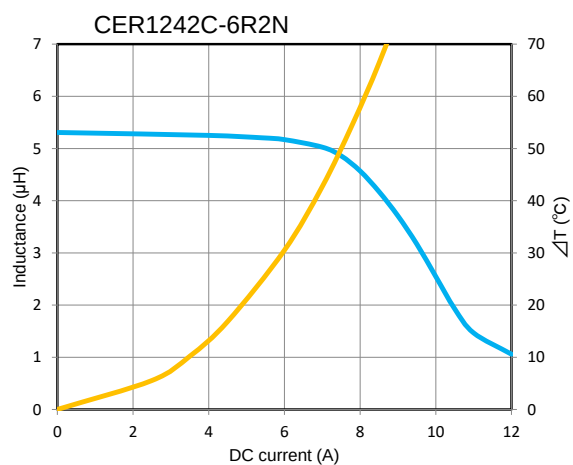
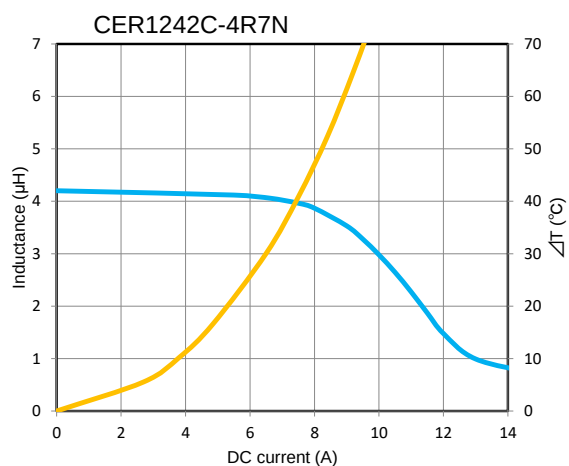
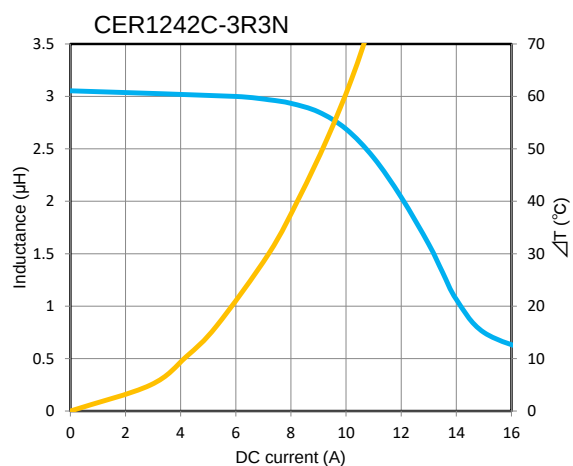
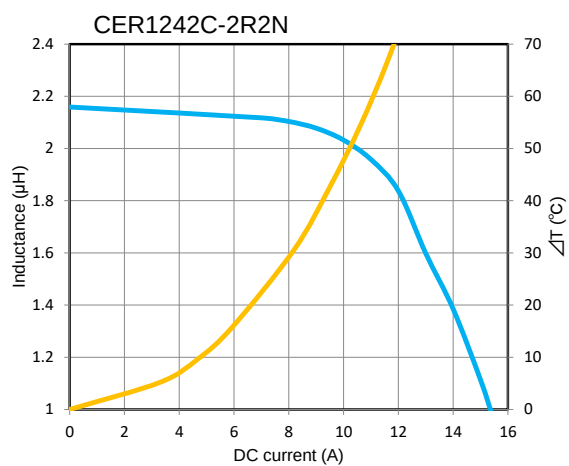
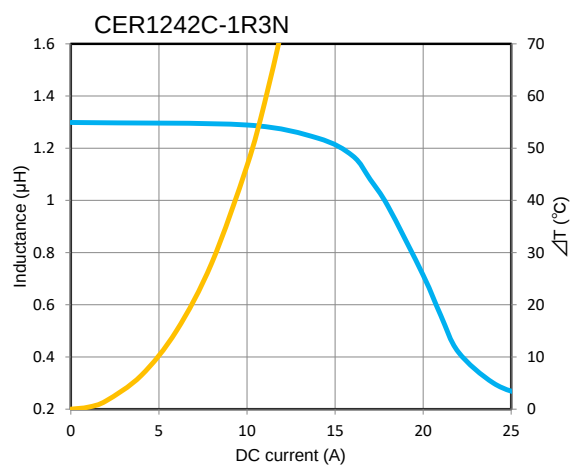
电感量测试条件: 100kHz, 1V

直流饱和容许电流: 电感值下降至初始值的30%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



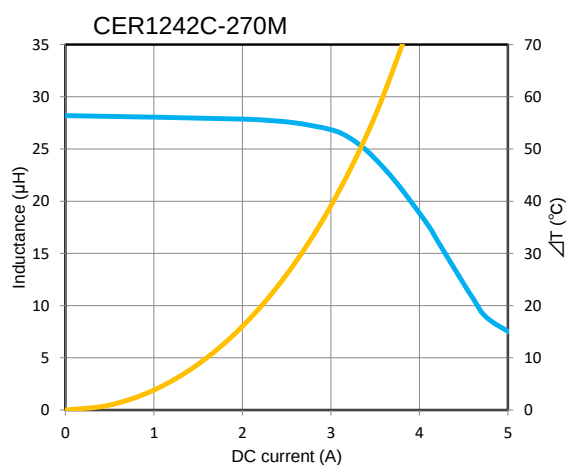
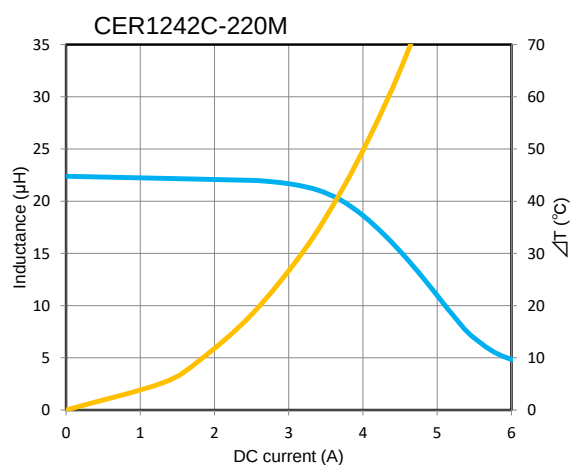
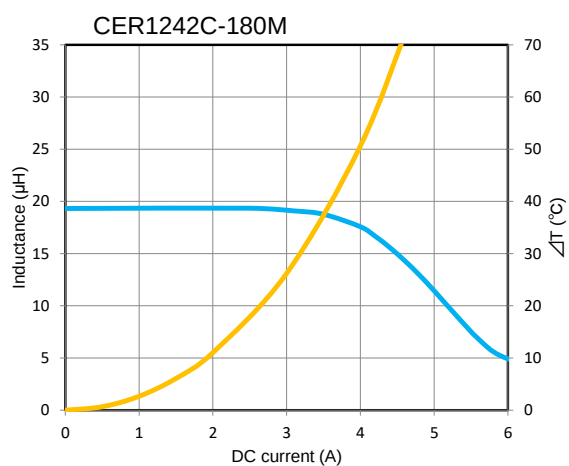
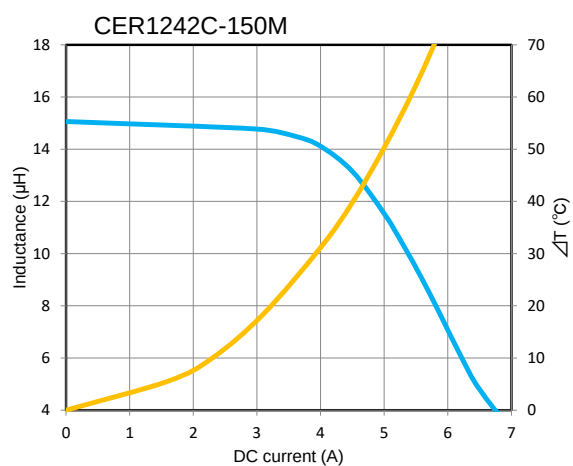
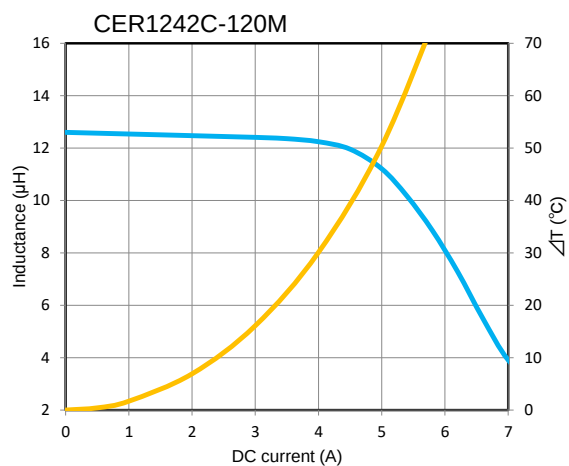
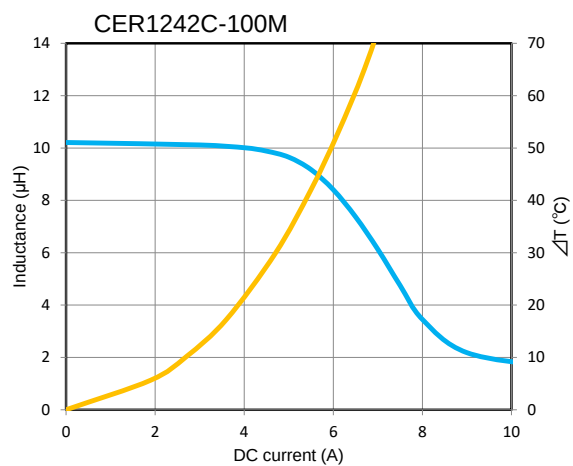
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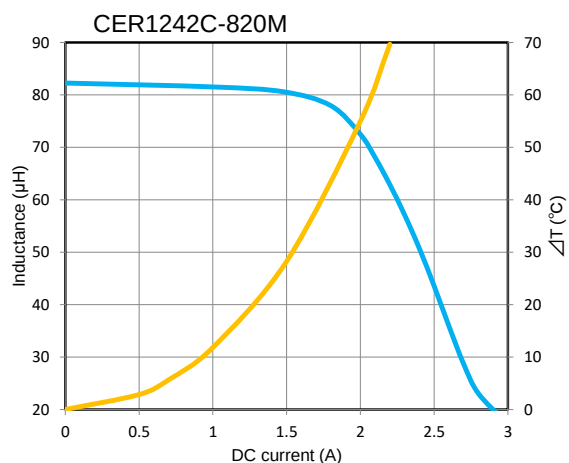
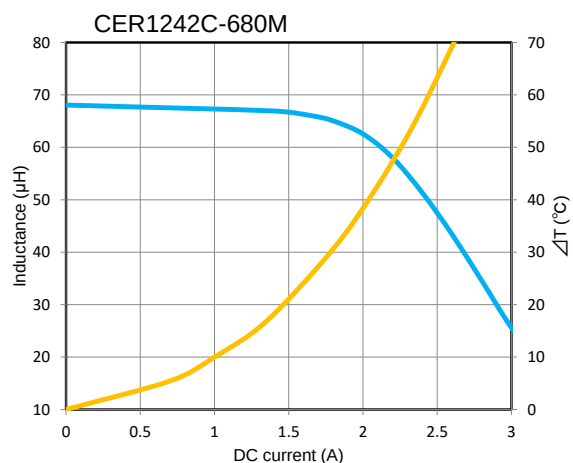
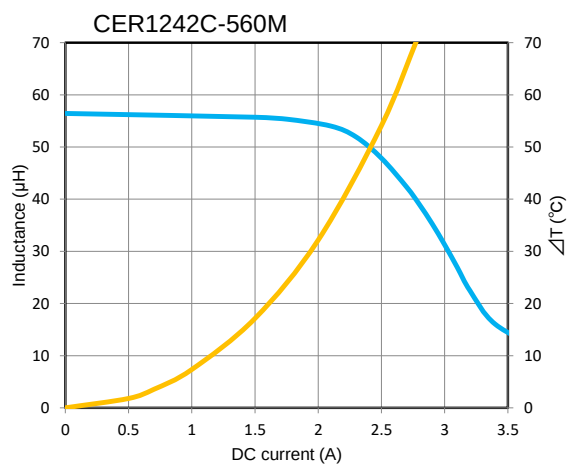
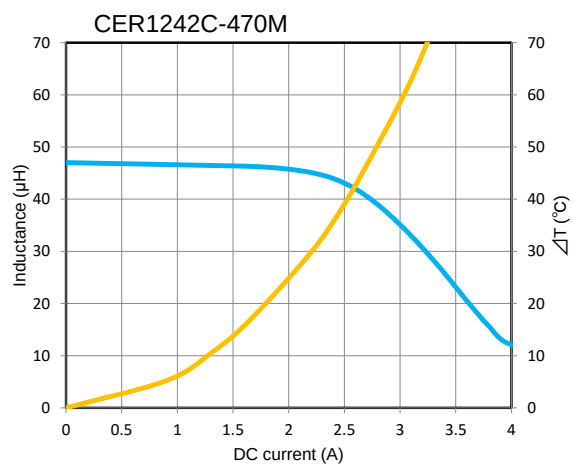
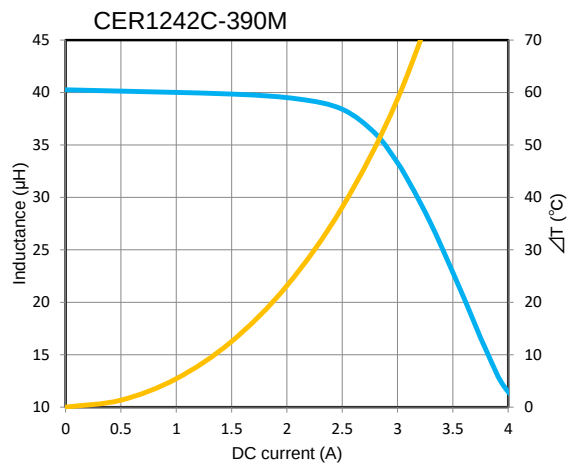
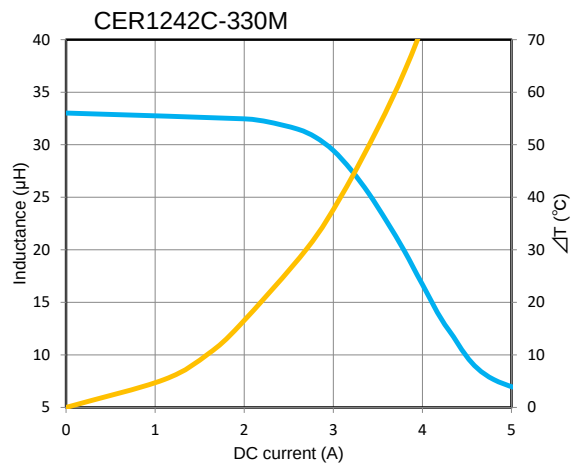
DC bias characteristics vs Temperature Rise Graph



L(25°C)



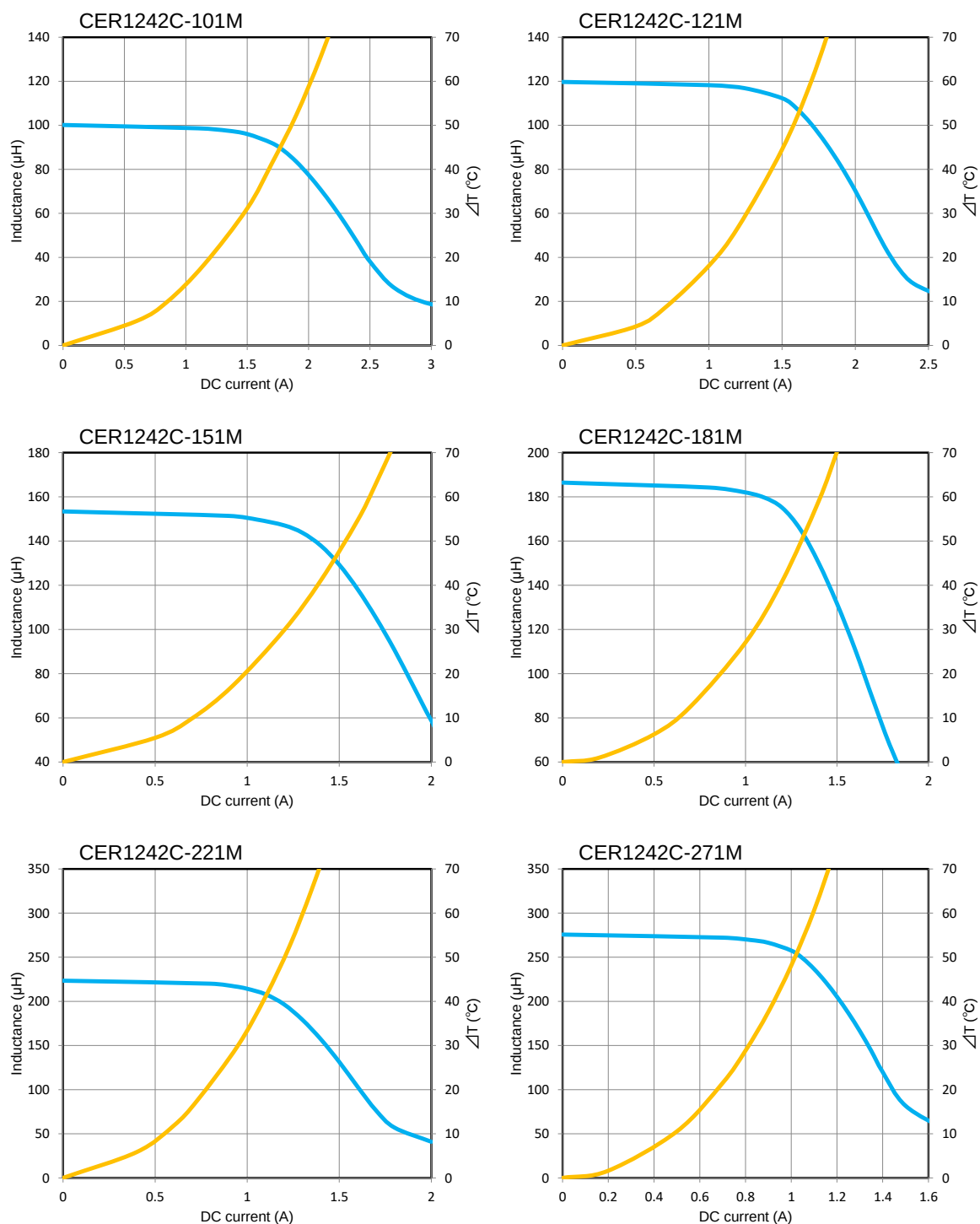
ΔT



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■ $L(25^{\circ}\text{C})$ ■ ΔT



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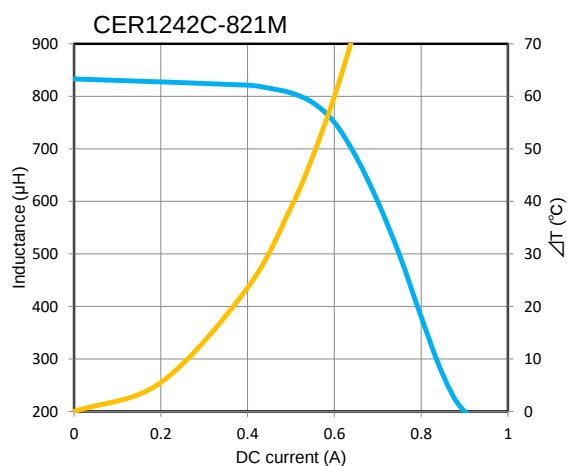
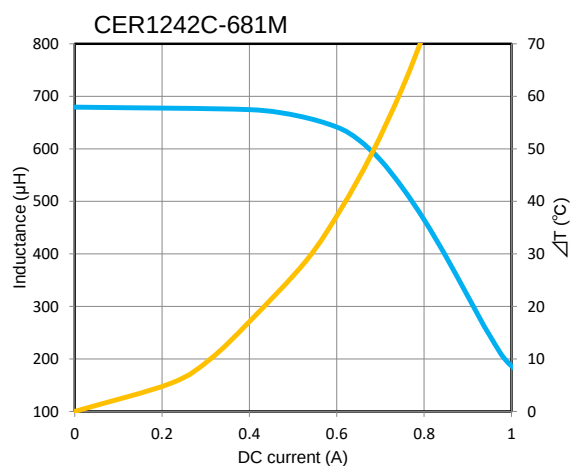
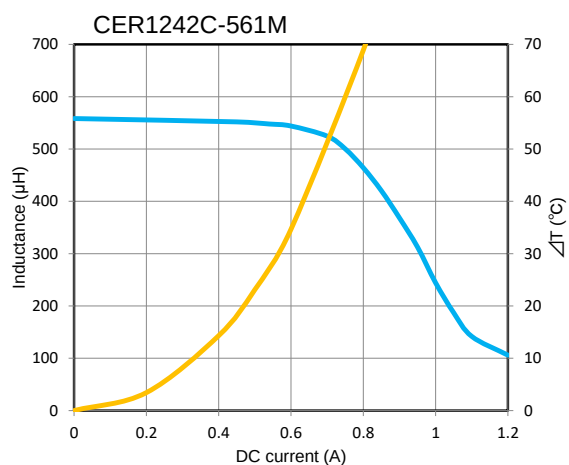
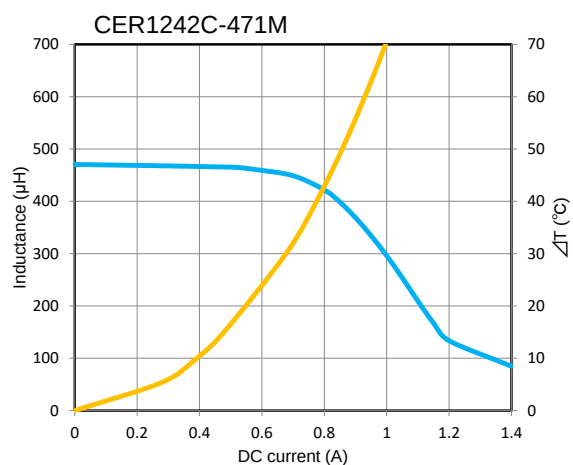
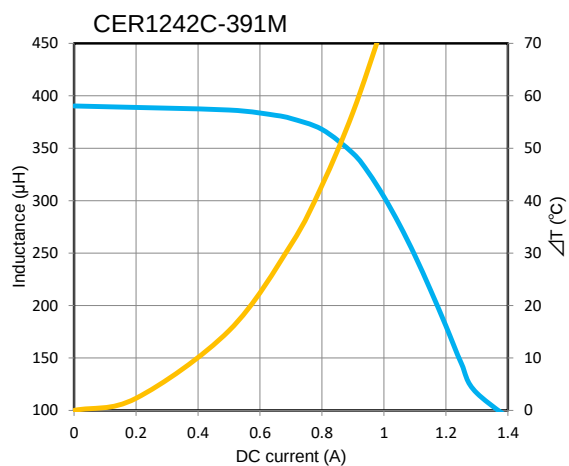
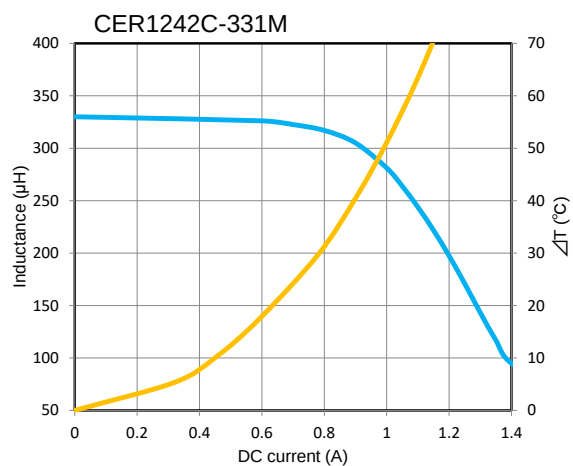
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