

CER1042B



■ 特长

- 成本有竞争力的廉价版
- 闭磁路形式的贴片功率电感
- 最适合作为电源的扼流线圈用
- 大电流，低电阻的结构
- 工作温度范围：-40℃～+125℃（包含自身发热）

磁路构造：

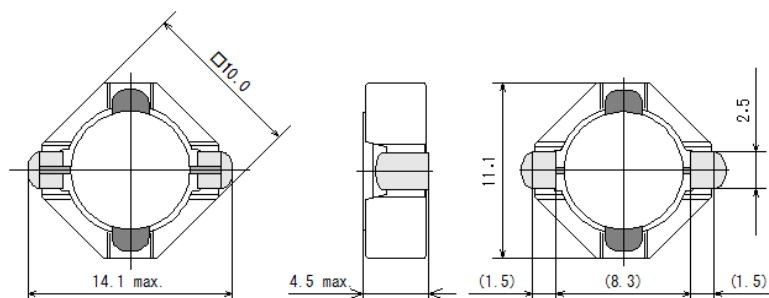


单体重： 1.5 g

■ 用途

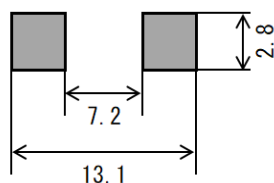
- 音频&映像/电视&显示器, 迷你音响, AV功放, 业务用功放, 照相机, 录音机
- 车载/汽车导航, LED前灯
- 电脑/投影仪, 个人电脑, 打印机
- 家电/LED照明
- 其他/医疗机器, 美容机器, 能源, 各种电源, 无线通讯机, 工业机器

■ 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。

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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
CER1042B-1R5N	1.5 $\pm 30\%$	0.00700	12.2	9.20	8.25	5.90
CER1042B-2R0N	2 $\pm 30\%$	0.00900	10.3	7.70	7.65	5.60
CER1042B-3R0N	3 $\pm 30\%$	0.0100	9.60	6.50	7.20	5.15
CER1042B-3R9N	3.9 $\pm 30\%$	0.0130	8.25	5.70	6.20	4.50
CER1042B-5R1N	5.1 $\pm 30\%$	0.0150	7.30	4.90	5.60	4.00
CER1042B-6R2N	6.2 $\pm 30\%$	0.0190	6.75	4.45	4.95	4.55
CER1042B-7R5N	7.5 $\pm 30\%$	0.0220	6.05	4.00	4.65	3.35
CER1042B-9R1N	9.1 $\pm 30\%$	0.0240	5.65	3.75	4.40	3.15
CER1042B-100M	10 $\pm 20\%$	0.0290	5.10	3.50	4.00	2.90
CER1042B-120M	12 $\pm 20\%$	0.0320	4.90	3.15	3.85	2.75
CER1042B-150M	15 $\pm 20\%$	0.0410	4.25	2.90	3.35	2.45
CER1042B-180M	18 $\pm 20\%$	0.0480	3.55	2.60	3.05	2.20
CER1042B-220M	22 $\pm 20\%$	0.0600	3.25	2.40	2.75	2.00
CER1042B-270M	27 $\pm 20\%$	0.0750	3.15	2.20	2.45	1.80
CER1042B-330M	33 $\pm 20\%$	0.0920	2.90	2.00	2.20	1.60
CER1042B-390M	39 $\pm 20\%$	0.100	2.70	1.80	2.05	1.50
CER1042B-470M	47 $\pm 20\%$	0.120	2.45	1.60	1.88	1.35
CER1042B-560M	56 $\pm 20\%$	0.150	2.20	1.50	1.70	1.25
CER1042B-680M	68 $\pm 20\%$	0.180	1.95	1.35	1.55	1.10
CER1042B-820M	82 $\pm 20\%$	0.210	1.85	1.25	1.43	1.00
CER1042B-101M	100 $\pm 20\%$	0.260	1.60	1.15	1.28	0.920
CER1042B-121M	120 $\pm 20\%$	0.310	1.50	1.00	1.15	0.850
CER1042B-151M	150 $\pm 20\%$	0.400	1.35	0.900	1.03	0.740
CER1042B-181M	180 $\pm 20\%$	0.480	1.10	0.800	0.930	0.670
CER1042B-221M	220 $\pm 20\%$	0.570	1.05	0.700	0.850	0.610
CER1042B-271M	270 $\pm 20\%$	0.710	0.970	0.650	0.760	0.550
CER1042B-331M	330 $\pm 20\%$	0.800	0.920	0.600	0.710	0.510
CER1042B-391M	390 $\pm 20\%$	0.990	0.830	0.550	0.630	0.460
CER1042B-471M	470 $\pm 20\%$	1.21	0.790	0.500	0.570	0.410
CER1042B-561M	560 $\pm 20\%$	1.48	0.710	0.480	0.510	0.370
CER1042B-681M	680 $\pm 20\%$	1.79	0.610	0.440	0.460	0.340
CER1042B-821M	820 $\pm 20\%$	2.09	0.580	0.410	0.430	0.310
CER1042B-102M	1000 $\pm 20\%$	2.37	0.540	0.380	0.400	0.290

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

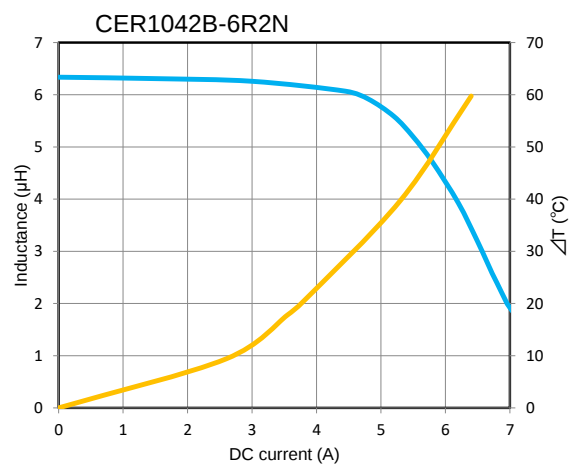
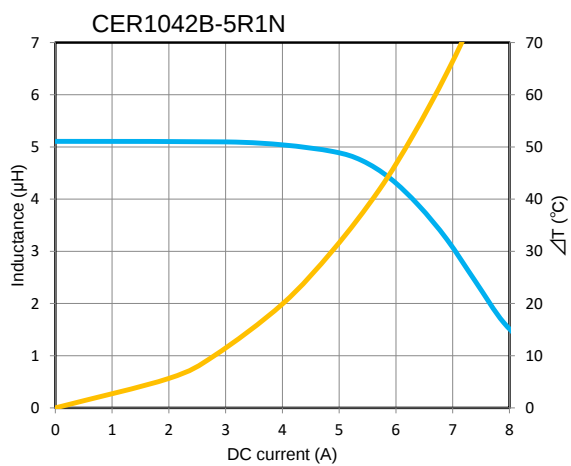
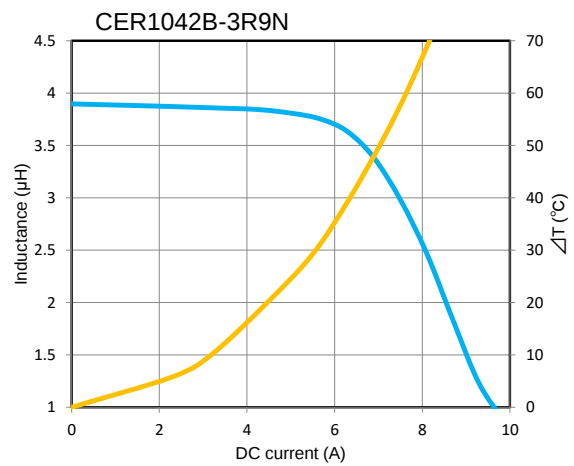
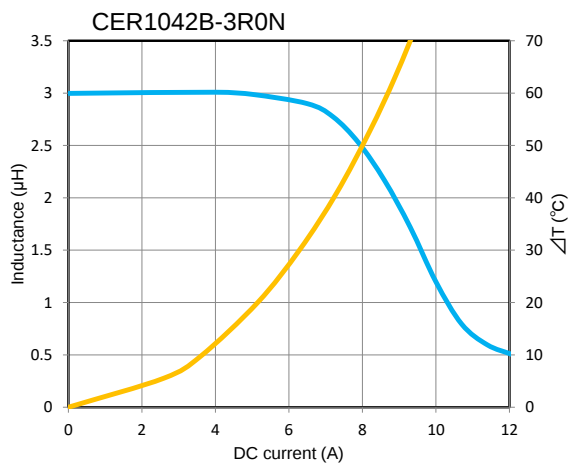
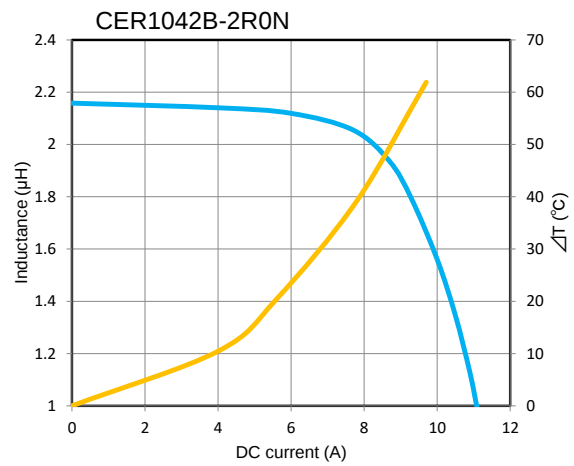
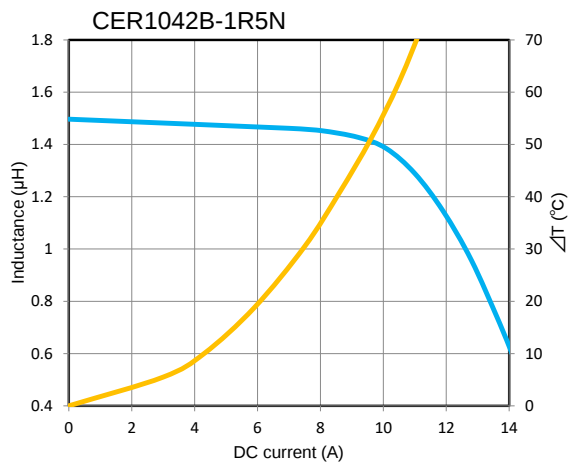
DC bias characteristics vs Temperature Rise Graph



L(25°C)



ΔT



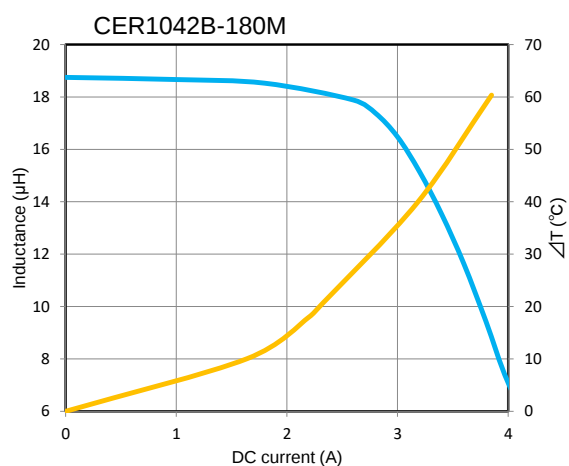
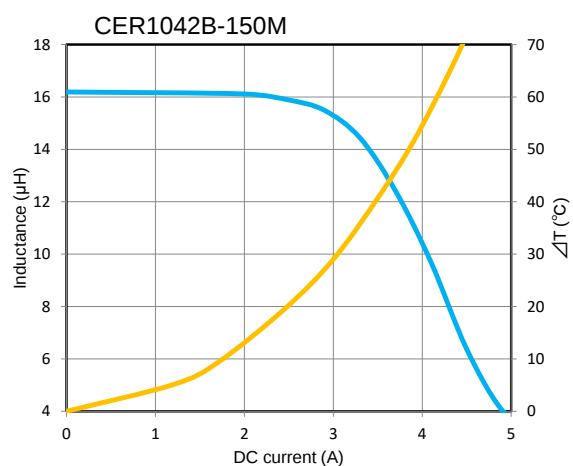
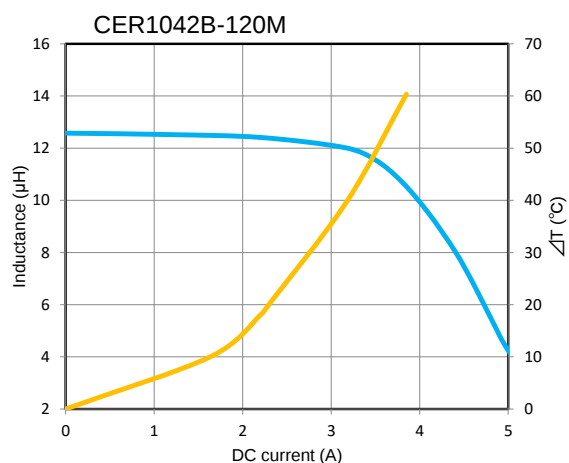
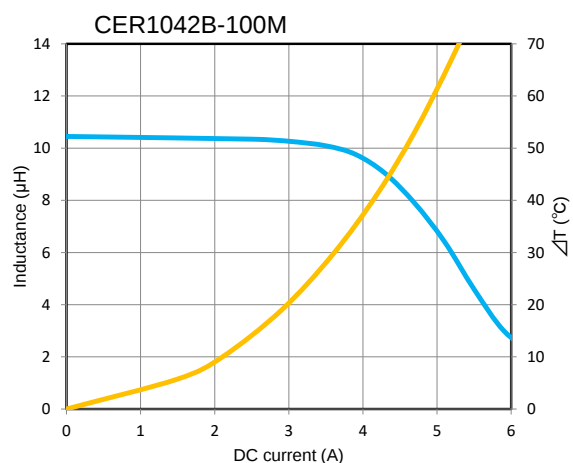
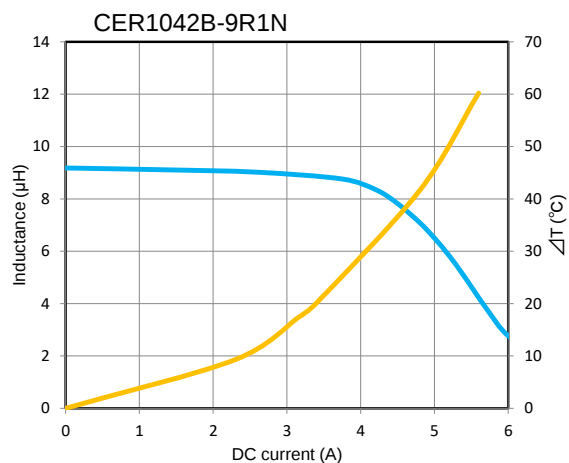
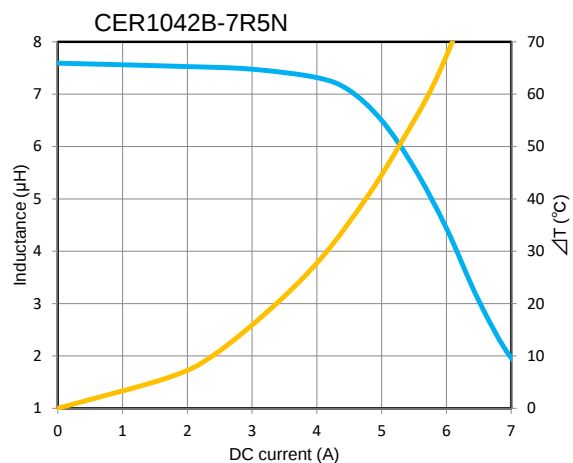
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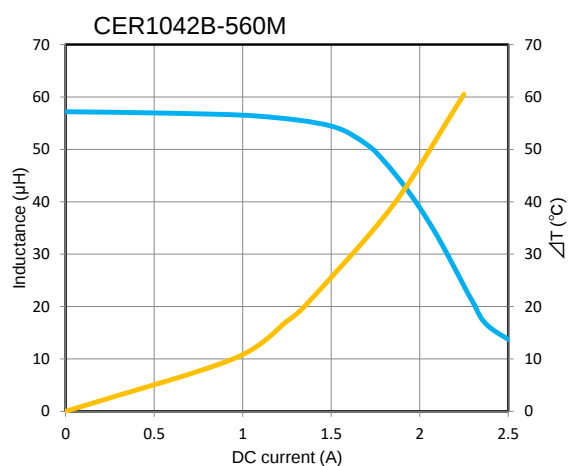
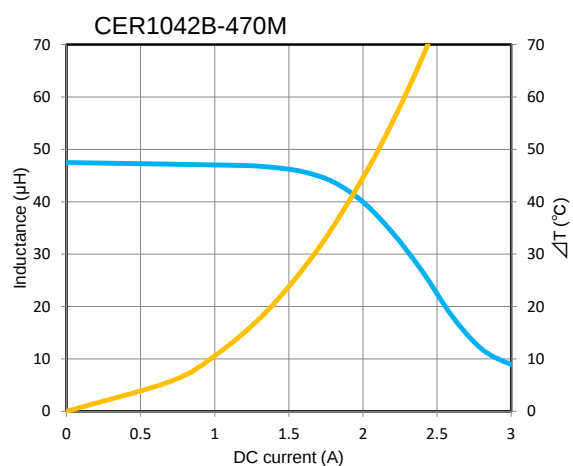
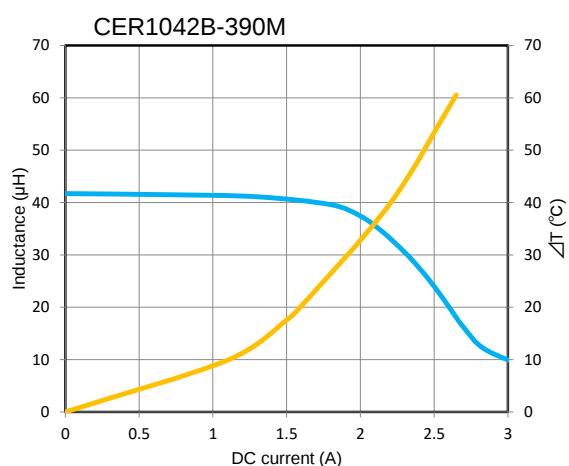
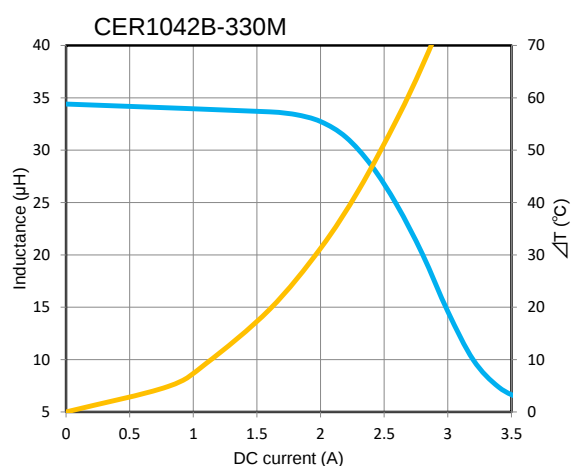
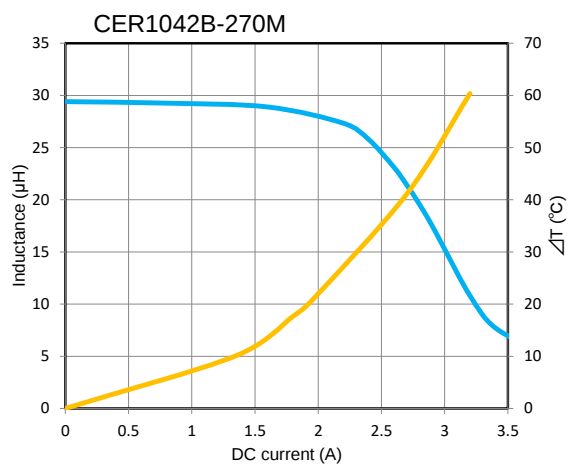
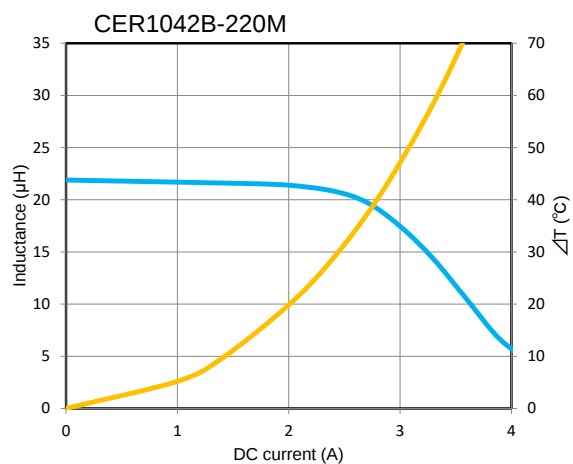
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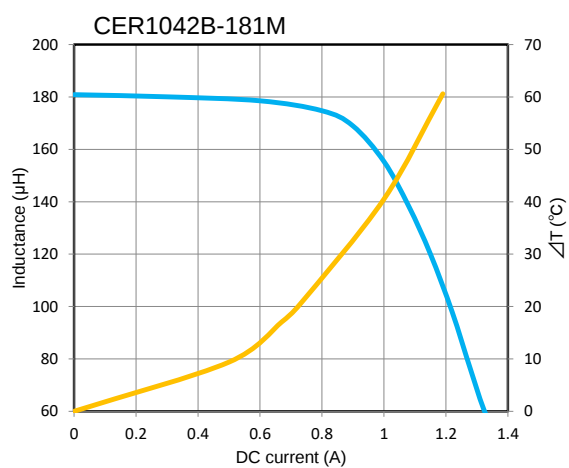
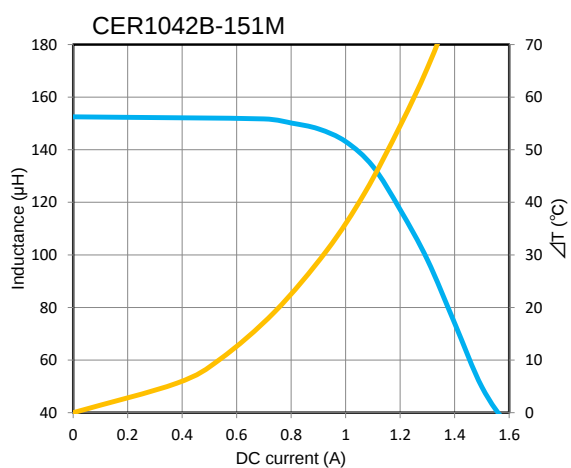
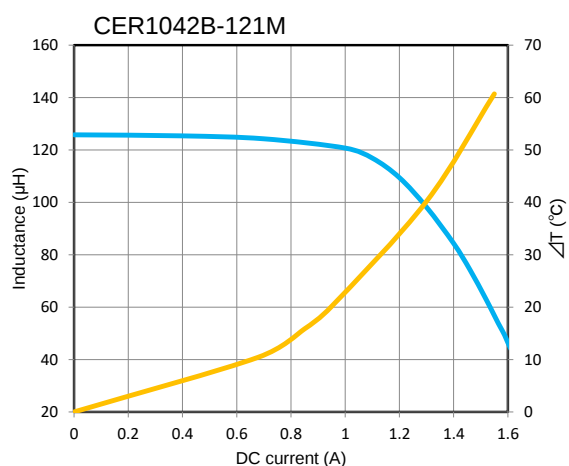
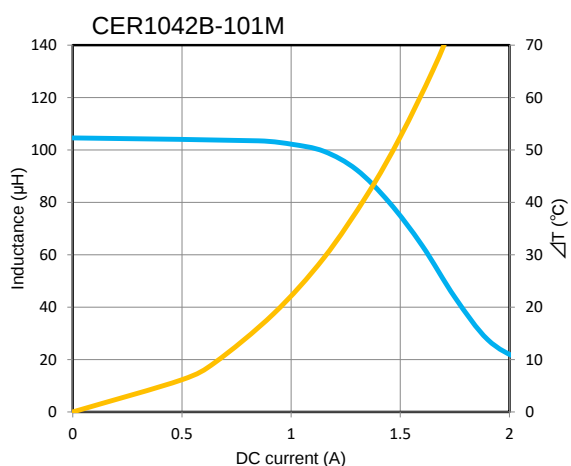
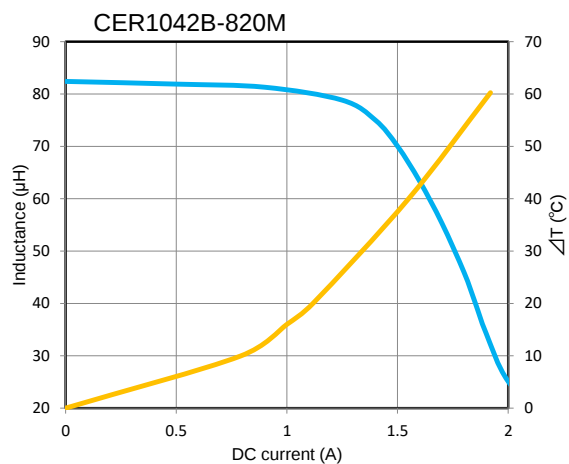
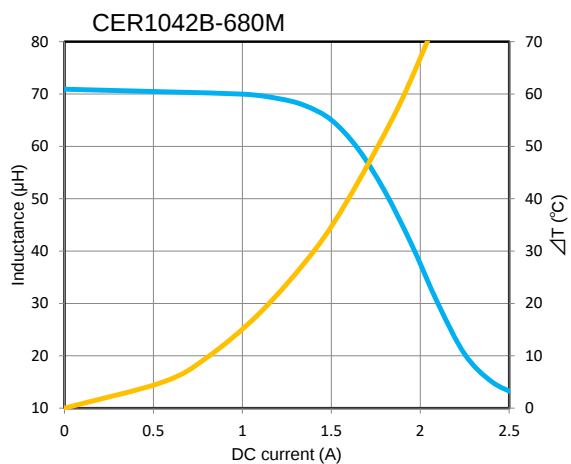
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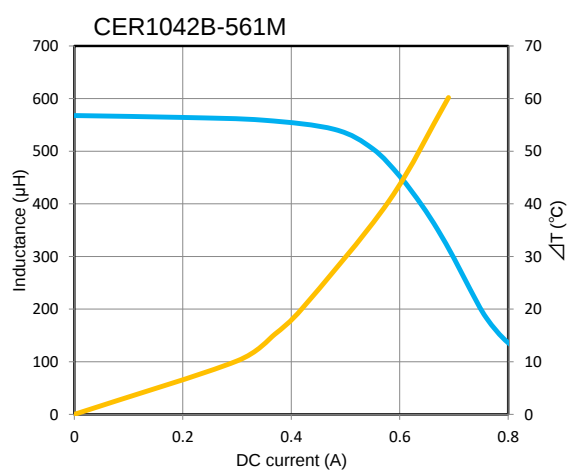
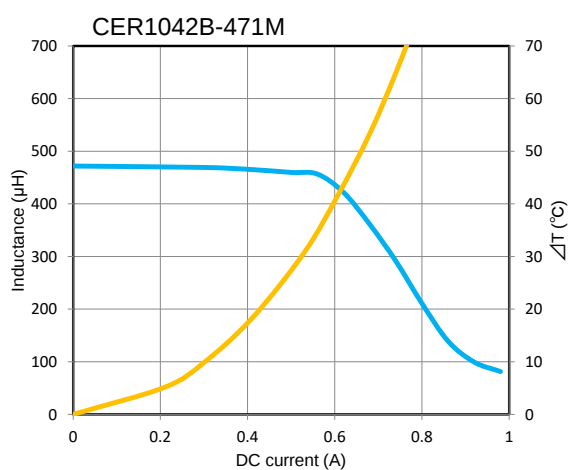
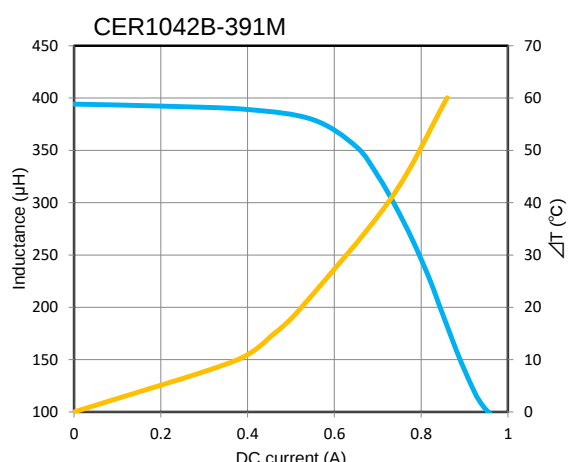
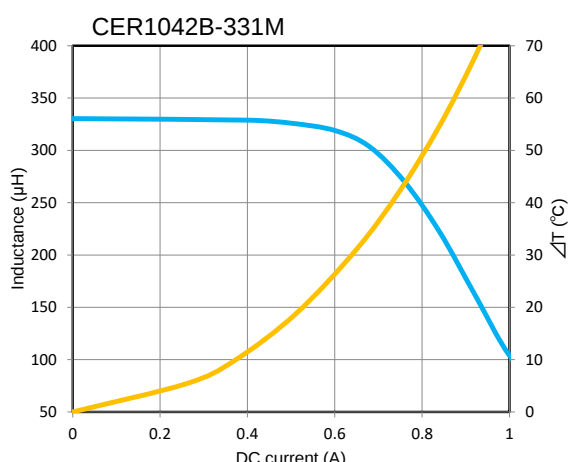
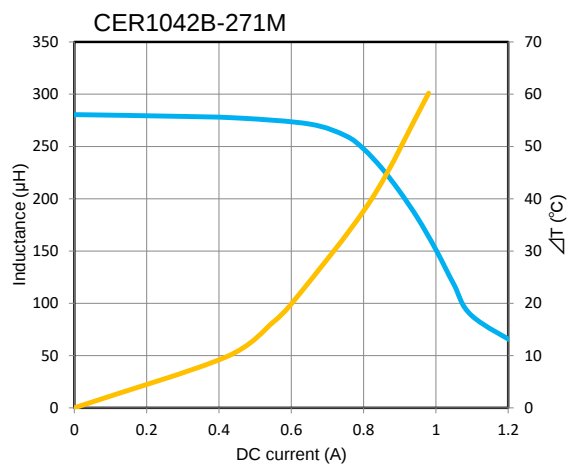
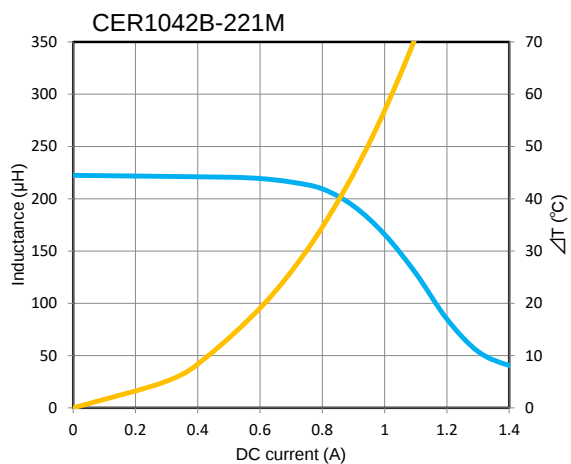
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