

CER1277B



■ 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
- 大电流的结构
- 工作温度范围：-40℃~+125℃（包含自身发热）

磁路构造：

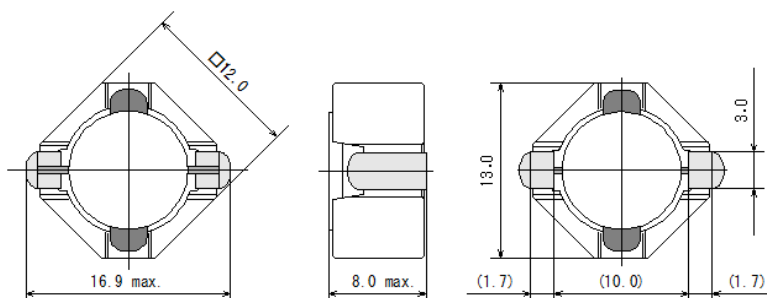


单体重： 4 g

■ 用途

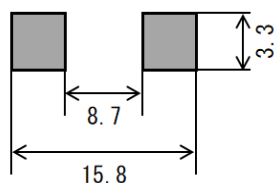
- 音频&映像/电视&显示器, 迷你音响, AV功放, 业务用功放, 照相机, 录音机
- 电脑/个人电脑, 打印机, 投影仪
- 家电/LED照明
- 其他/各种电源, 无线通讯机, 工业机器, 医疗机器, 美容机器, 能源

■ 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
CER1277B-2R2N	2.2 $\pm 30\%$	0.00700	17.7	11.6	9.60	6.85
CER1277B-3R3N	3.3 $\pm 30\%$	0.00800	15.3	10.0	8.70	6.00
CER1277B-4R3N	4.3 $\pm 30\%$	0.0100	13.1	9.40	8.00	5.60
CER1277B-5R6N	5.6 $\pm 30\%$	0.0110	10.9	8.50	7.45	5.30
CER1277B-7R5N	7.5 $\pm 30\%$	0.0130	10.0	7.40	7.00	4.80
CER1277B-100M	10 $\pm 20\%$	0.0140	8.75	6.30	6.60	4.30
CER1277B-120M	12 $\pm 20\%$	0.0160	8.00	6.00	6.20	4.15
CER1277B-150M	15 $\pm 20\%$	0.0190	6.80	4.90	5.65	3.85
CER1277B-180M	18 $\pm 20\%$	0.0210	6.35	4.60	5.20	3.70
CER1277B-220M	22 $\pm 20\%$	0.0240	5.90	4.30	5.00	3.25
CER1277B-270M	27 $\pm 20\%$	0.0300	5.10	4.00	4.25	3.00
CER1277B-330M	33 $\pm 20\%$	0.0350	4.75	3.25	4.10	2.85
CER1277B-390M	39 $\pm 20\%$	0.0460	4.20	2.85	3.65	2.50
CER1277B-470M	47 $\pm 20\%$	0.0510	3.95	2.65	3.30	2.30
CER1277B-560M	56 $\pm 20\%$	0.0620	3.60	2.50	2.95	2.10
CER1277B-680M	68 $\pm 20\%$	0.0770	3.30	2.40	2.70	1.90
CER1277B-820M	82 $\pm 20\%$	0.0850	3.25	2.35	2.50	1.80
CER1277B-101M	100 $\pm 20\%$	0.110	2.65	2.20	2.25	1.60
CER1277B-121M	120 $\pm 20\%$	0.130	2.55	1.90	2.00	1.40
CER1277B-151M	150 $\pm 20\%$	0.180	2.15	1.60	1.70	1.20
CER1277B-181M	180 $\pm 20\%$	0.190	1.95	1.45	1.65	1.15
CER1277B-221M	220 $\pm 20\%$	0.240	1.85	1.35	1.45	1.05
CER1277B-271M	270 $\pm 20\%$	0.310	1.75	1.25	1.30	0.910
CER1277B-331M	330 $\pm 20\%$	0.340	1.40	1.00	1.20	0.880
CER1277B-391M	390 $\pm 20\%$	0.400	1.25	0.900	1.13	0.800
CER1277B-471M	470 $\pm 20\%$	0.510	1.15	0.800	1.00	0.700
CER1277B-561M	560 $\pm 20\%$	0.560	1.05	0.730	0.950	0.650
CER1277B-681M	680 $\pm 20\%$	0.730	1.00	0.680	0.820	0.600
CER1277B-821M	820 $\pm 20\%$	0.870	0.910	0.620	0.750	0.550
CER1277B-102M	1000 $\pm 20\%$	1.07	0.890	0.600	0.680	0.500

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

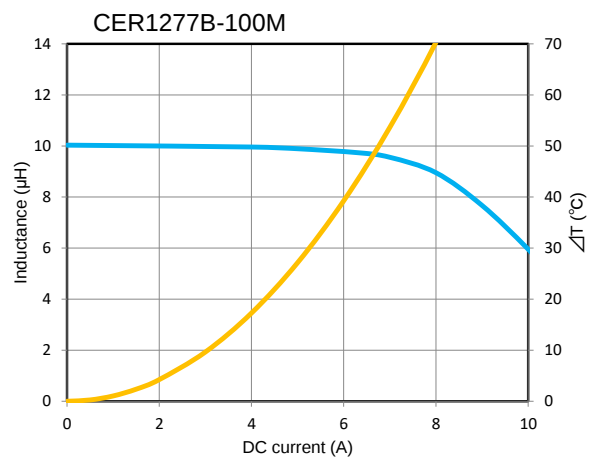
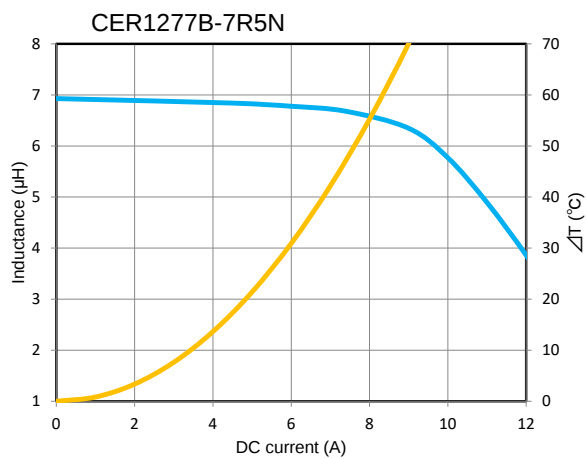
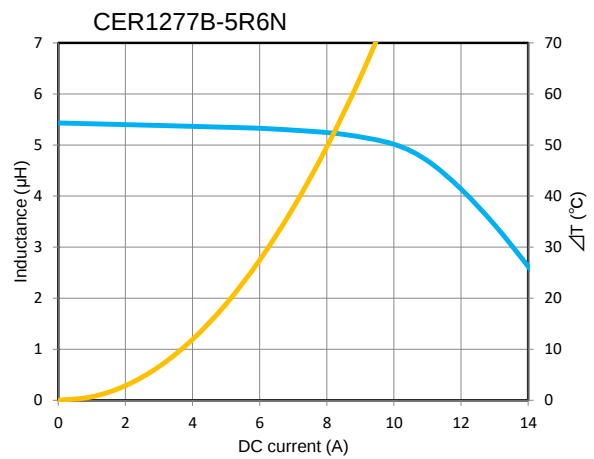
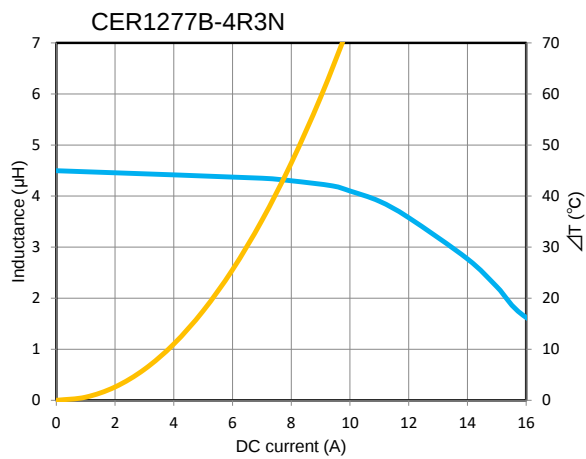
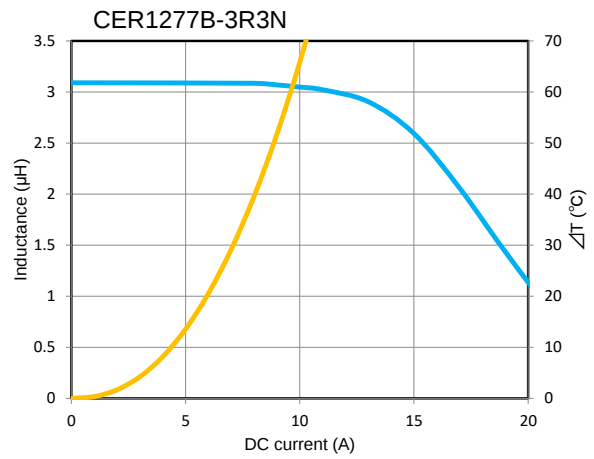
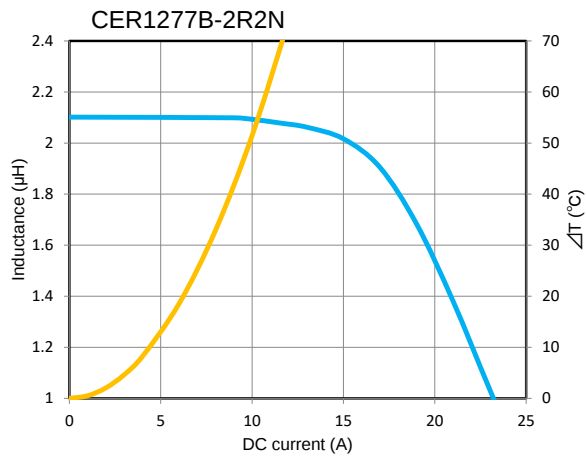
DC bias characteristics vs Temperature Rise Graph



L(25°C)



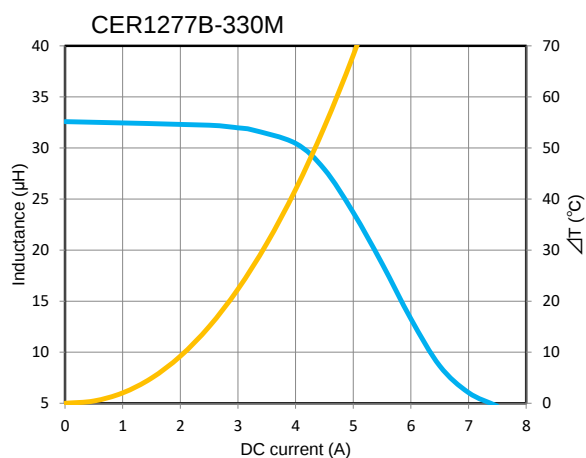
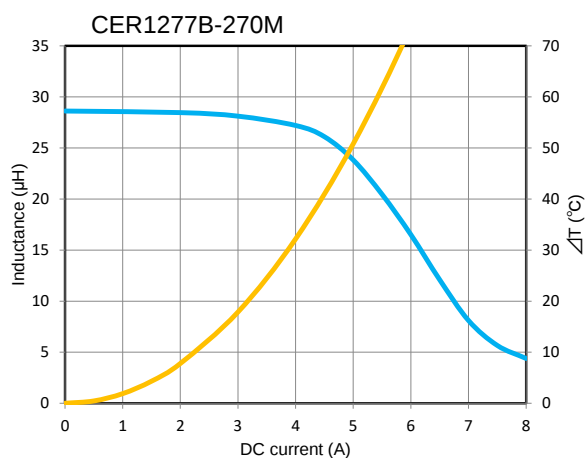
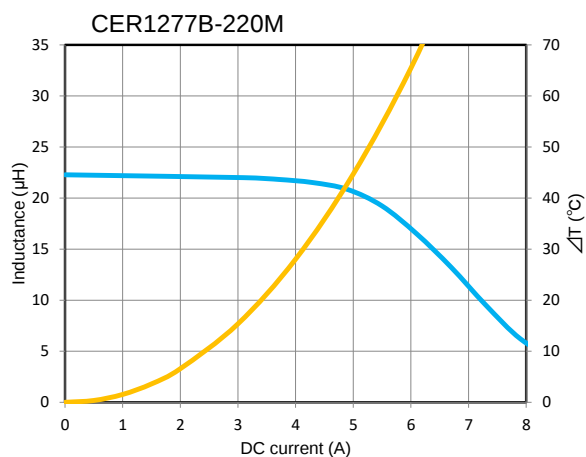
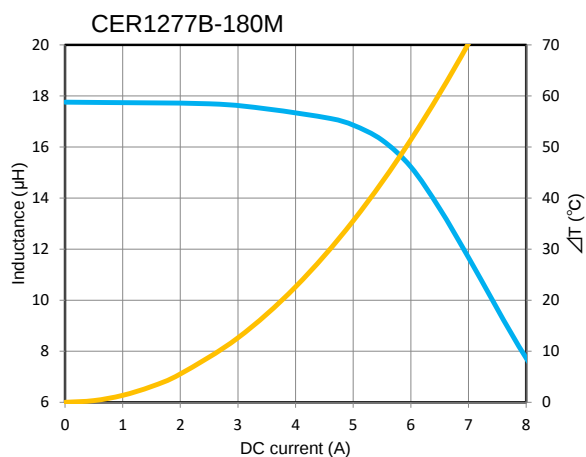
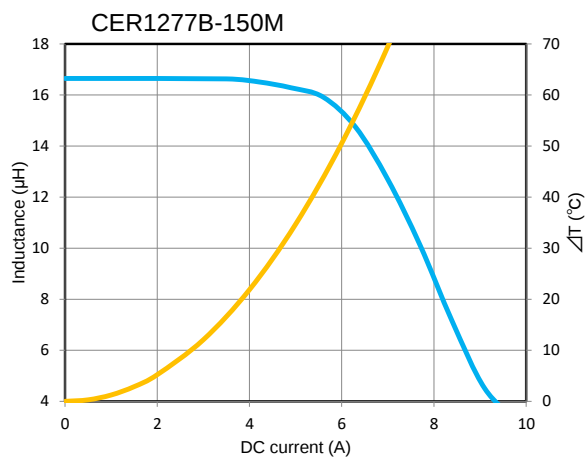
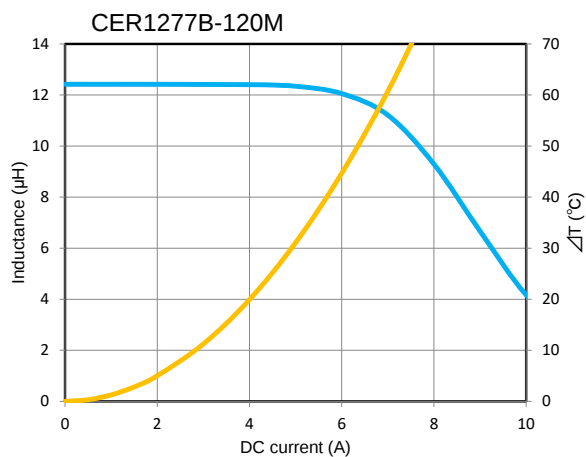
ΔT



サガミ エレク株式会社
SAGAMI ELEC CO., LTD.

DC bias characteristics vs Temperature Rise Graph

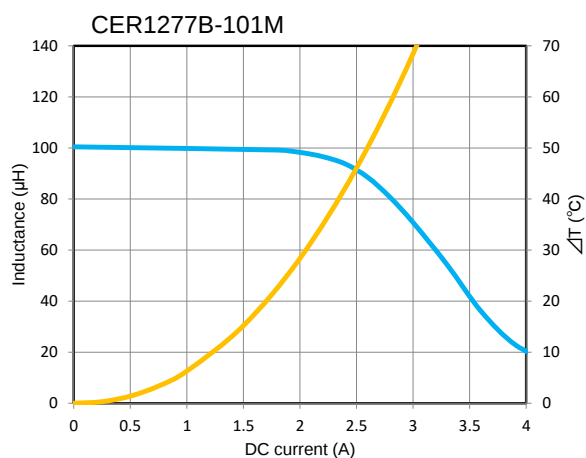
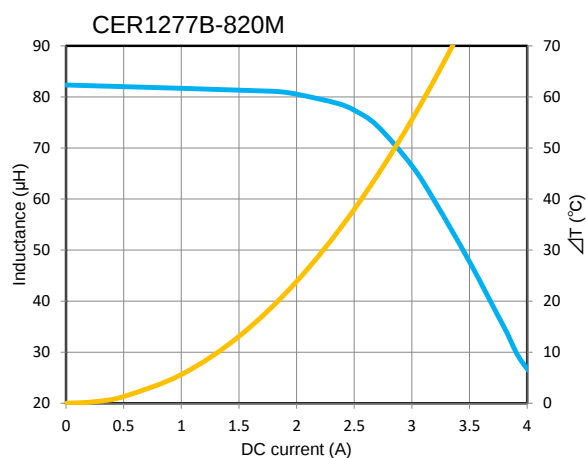
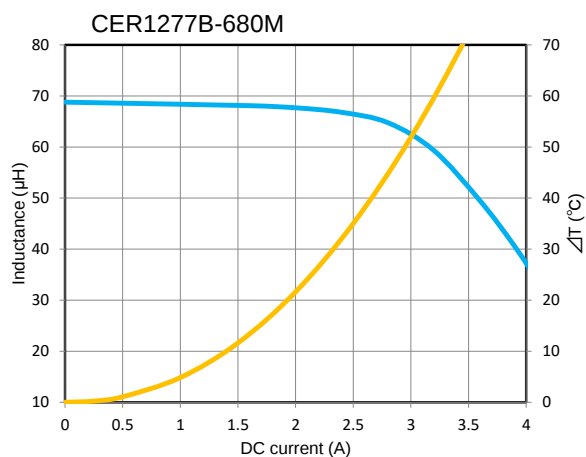
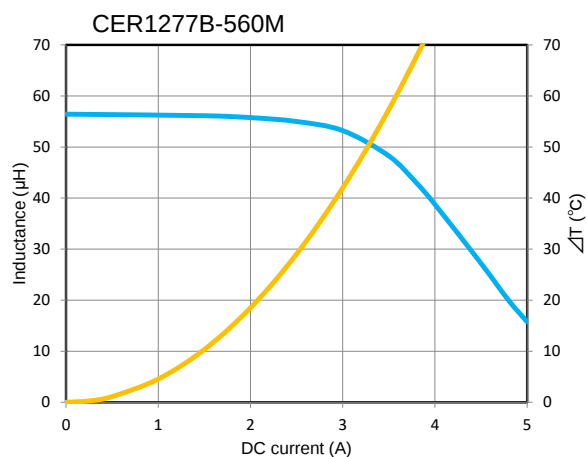
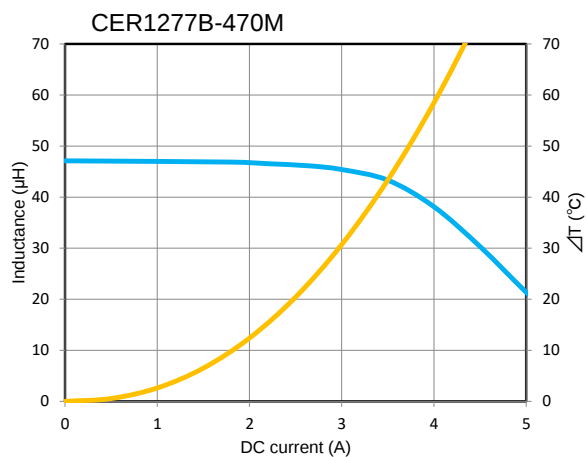
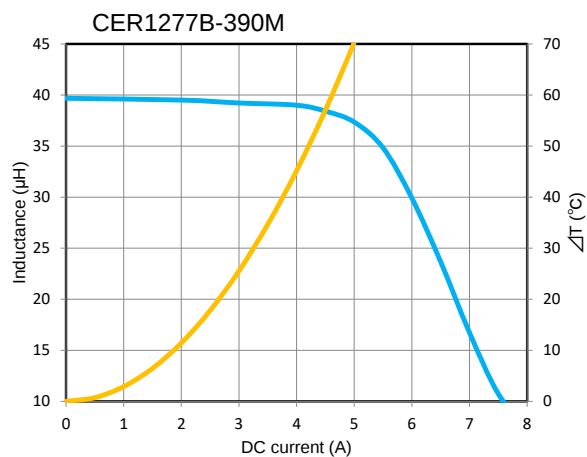
■ L(25°C)
 ■ ΔT



サガミ エレク株式会社
 SAGAMI ELEC CO., LTD.

DC bias characteristics vs Temperature Rise Graph

■ $L(25^{\circ}\text{C})$
■ ΔT



サガミ エレク株式会社
 SAGAMI ELEC CO., LTD.

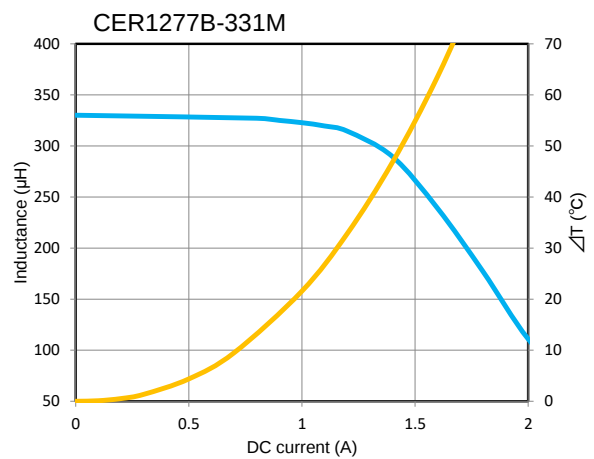
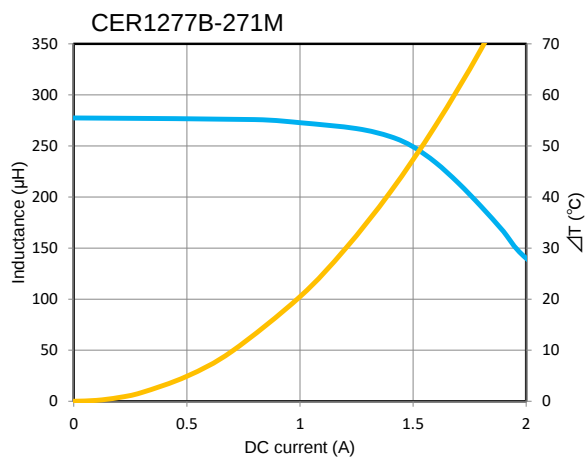
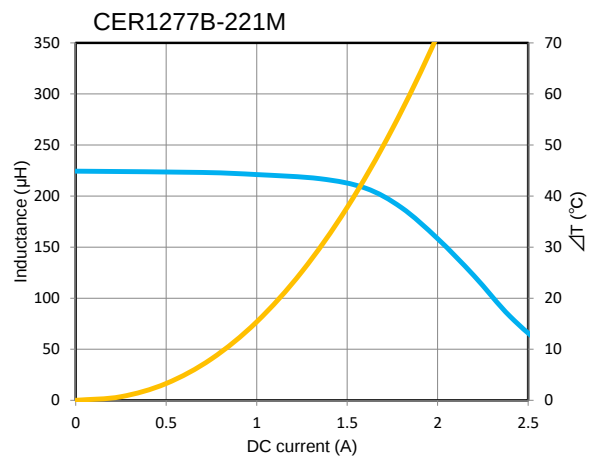
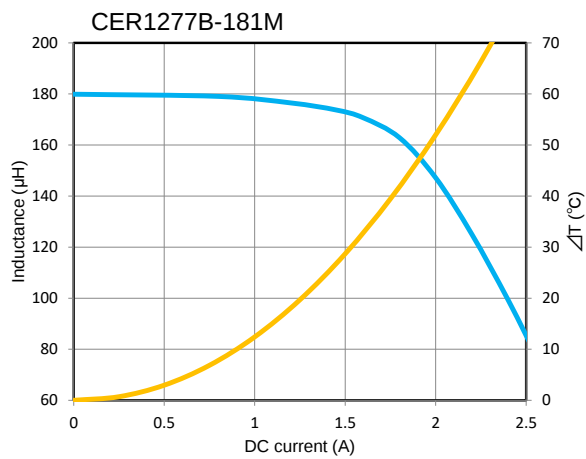
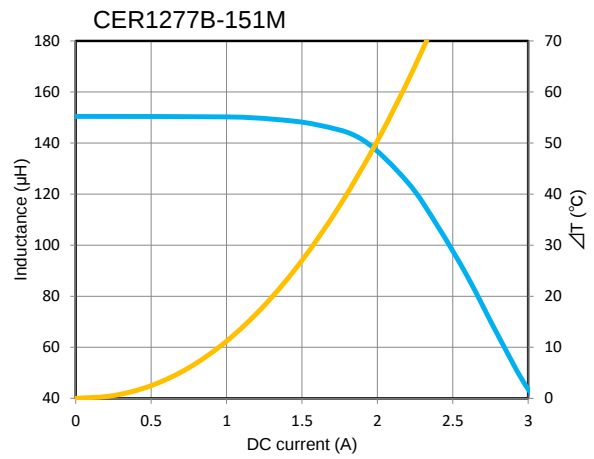
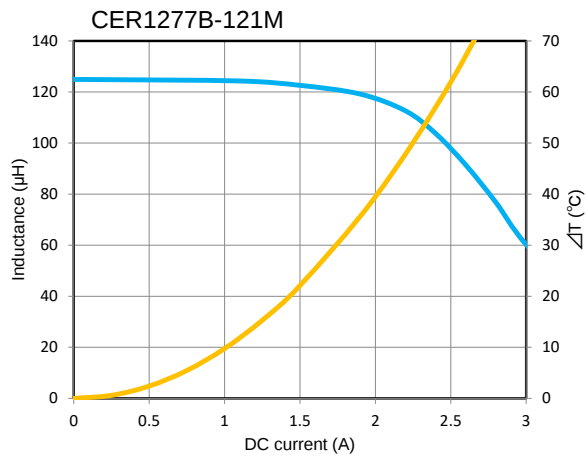
DC bias characteristics vs Temperature Rise Graph



L(25°C)



ΔT



サガミ エレク株式会社
SAGAMI ELEC CO., LTD.

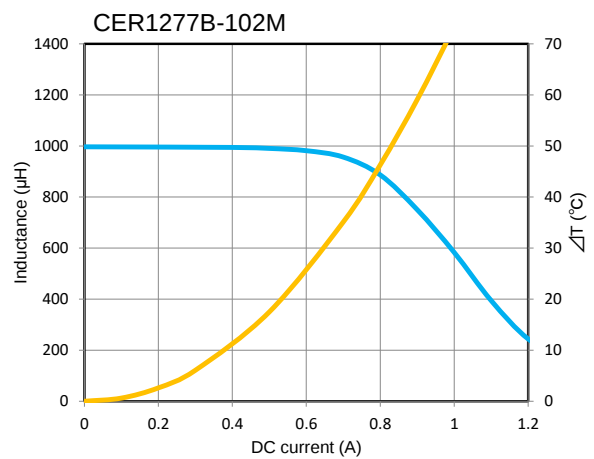
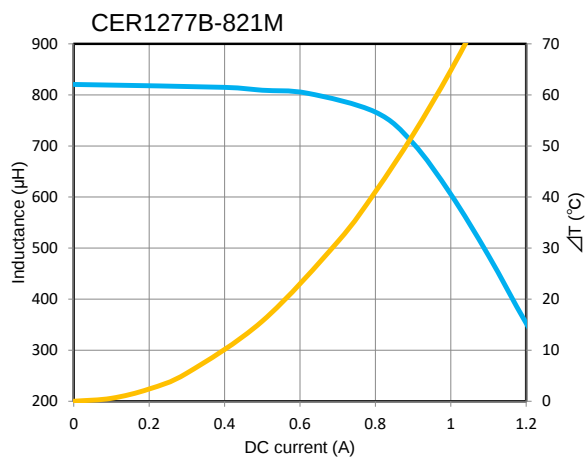
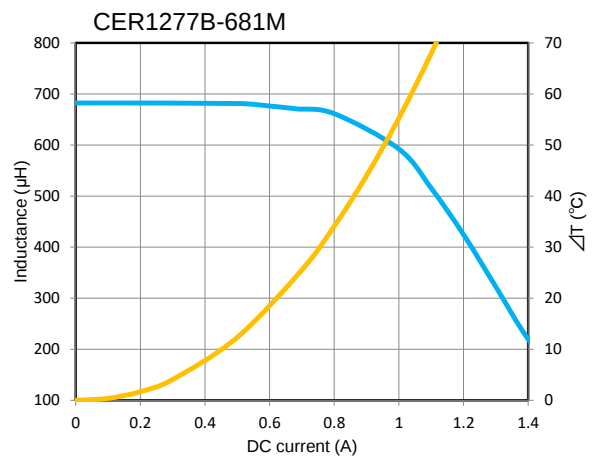
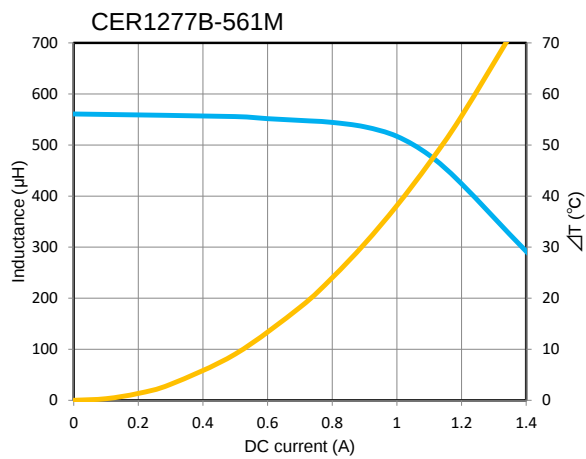
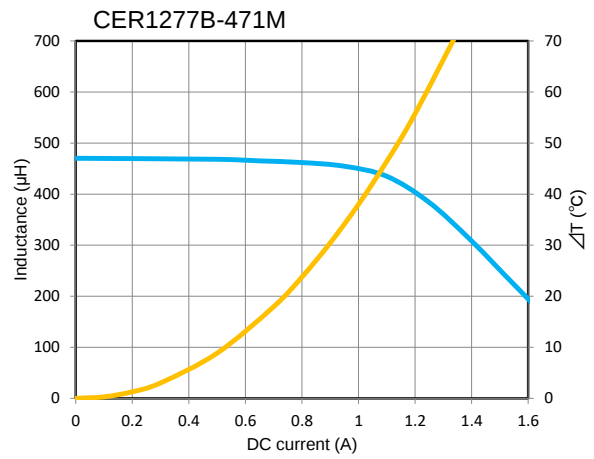
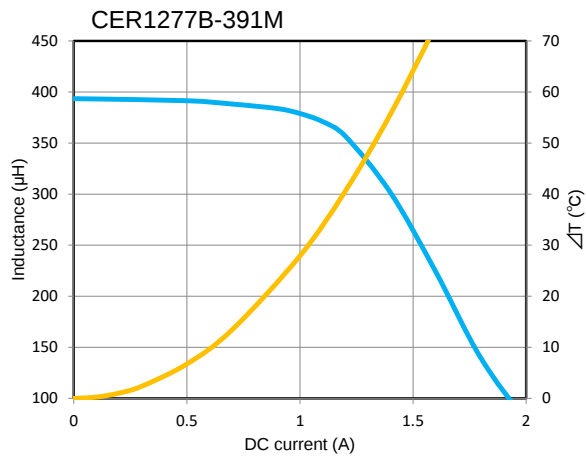
DC bias characteristics vs Temperature Rise Graph



L(25°C)



ΔT



サガミ エレク株式会社
SAGAMI ELEC CO., LTD.