CER1042C

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）

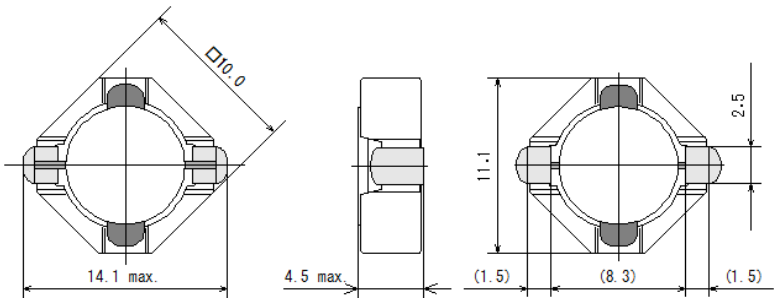
磁路构造：

单体重：　　1.5ｇ

■ 用途

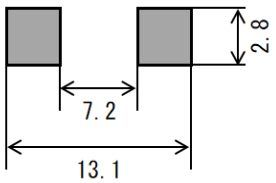
- 车载/汽车音响, 汽车导航, ECU, LED前灯
- 其他/各种电源, 工业机器, 医疗机器. 美容机器, 能源

■ 外形尺寸



（单位：mm）

■ 推荐焊盘



（单位：mm）

相模电机（深圳）有限公司
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

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

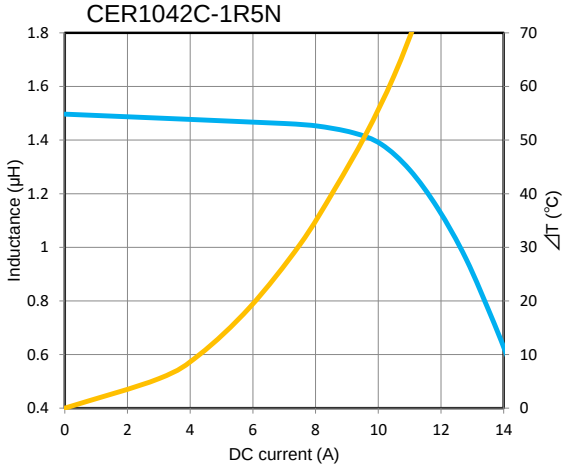
相模品番	电感值 (μH)	直流电阻 (Ω) ±30%	额定直流电流 (A)		额定温度上升电流 (A)	
			Typical	Spec	Typical	Spec
CER1042C-1R5N	1.5±30%	0.00700	12.2	9.20	8.25	5.90
CER1042C-2R0N	2±30%	0.00900	10.3	7.70	7.65	5.60
CER1042C-3R0N	3±30%	0.0100	9.60	6.50	7.20	5.15
CER1042C-3R9N	3.9±30%	0.0130	8.25	5.70	6.20	4.50
CER1042C-5R1N	5.1±30%	0.0150	7.30	4.90	5.60	4.00
CER1042C-6R2N	6.2±30%	0.0190	6.75	4.45	4.95	4.55
CER1042C-7R5N	7.5±30%	0.0220	6.05	4.00	4.65	3.35
CER1042C-9R1N	9.1±30%	0.0240	5.65	3.75	4.40	3.15
CER1042C-100M	10±20%	0.0290	5.10	3.50	4.00	2.90
CER1042C-120M	12±20%	0.0320	4.90	3.15	3.85	2.75
CER1042C-150M	15±20%	0.0410	4.25	2.90	3.35	2.45
CER1042C-180M	18±20%	0.0480	3.55	2.60	3.05	2.20
CER1042C-220M	22±20%	0.0600	3.25	2.40	2.75	2.00
CER1042C-270M	27±20%	0.0750	3.15	2.20	2.45	1.80
CER1042C-330M	33±20%	0.0920	2.90	2.00	2.20	1.60
CER1042C-390M	39±20%	0.100	2.70	1.80	2.05	1.50
CER1042C-470M	47±20%	0.120	2.45	1.60	1.88	1.35
CER1042C-560M	56±20%	0.150	2.20	1.50	1.70	1.25
CER1042C-680M	68±20%	0.180	1.95	1.35	1.55	1.10
CER1042C-820M	82±20%	0.210	1.85	1.25	1.43	1.00
CER1042C-101M	100±20%	0.260	1.60	1.15	1.28	0.920
CER1042C-121M	120±20%	0.310	1.50	1.00	1.15	0.850
CER1042C-151M	150±20%	0.400	1.35	0.900	1.03	0.740
CER1042C-181M	180±20%	0.480	1.10	0.800	0.930	0.670
CER1042C-221M	220±20%	0.570	1.05	0.700	0.850	0.610
CER1042C-271M	270±20%	0.710	0.970	0.650	0.760	0.550
CER1042C-331M	330±20%	0.800	0.920	0.600	0.710	0.510
CER1042C-391M	390±20%	0.990	0.830	0.550	0.630	0.460
CER1042C-471M	470±20%	1.21	0.790	0.500	0.570	0.410
CER1042C-561M	560±20%	1.48	0.710	0.480	0.510	0.370
CER1042C-681M	680±20%	1.79	0.610	0.440	0.460	0.340
CER1042C-821M	820±20%	2.09	0.580	0.410	0.430	0.310
CER1042C-102M	1000±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

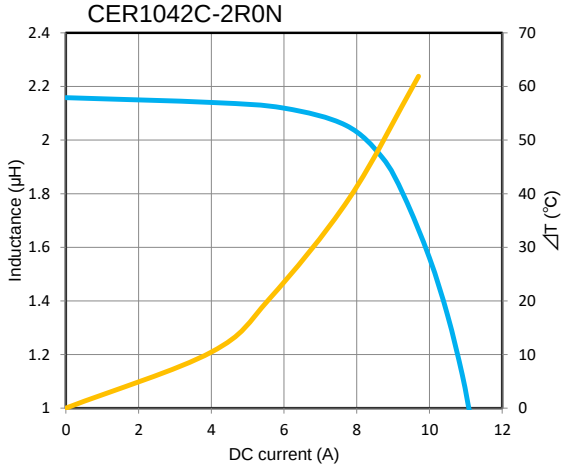
DC bias characteristics vs Temperature Rise Graph

L(25℃)　　⊿T

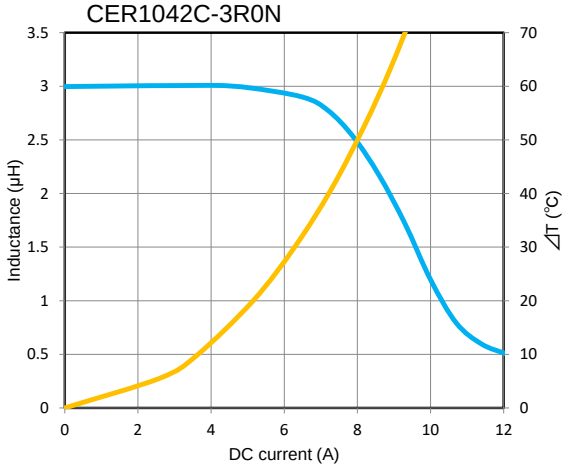
CER1042C-1R5N



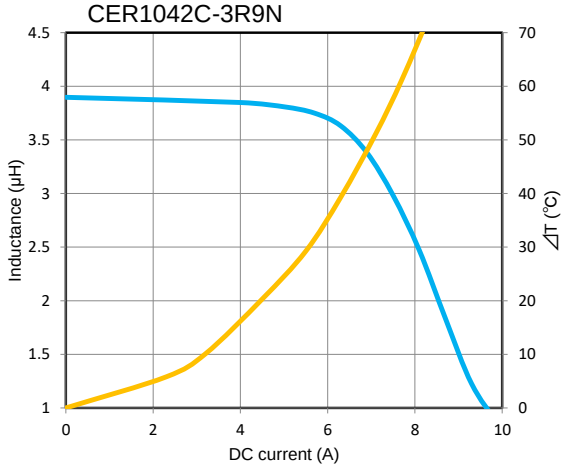
CER1042C-2R0N



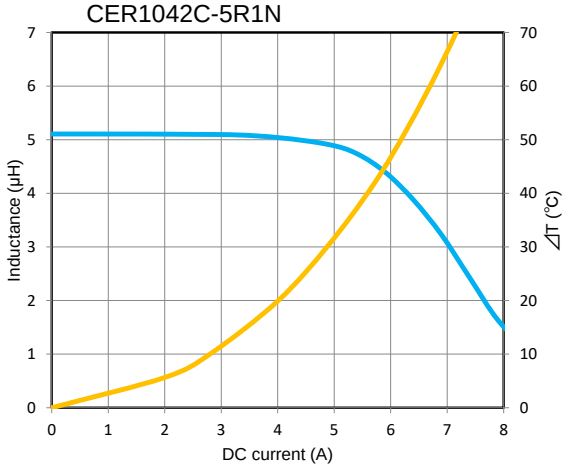
CER1042C-3R0N



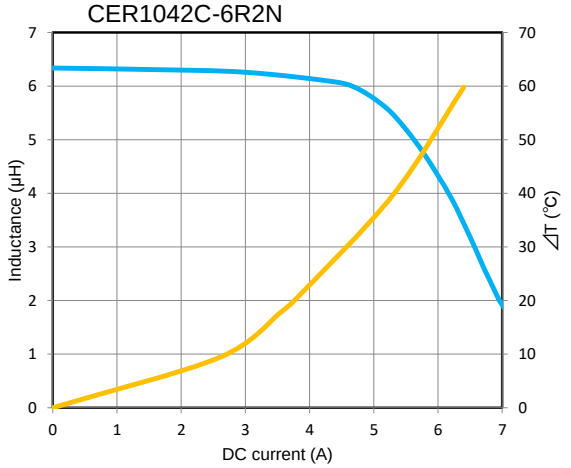
CER1042C-3R9N



CER1042C-5R1N



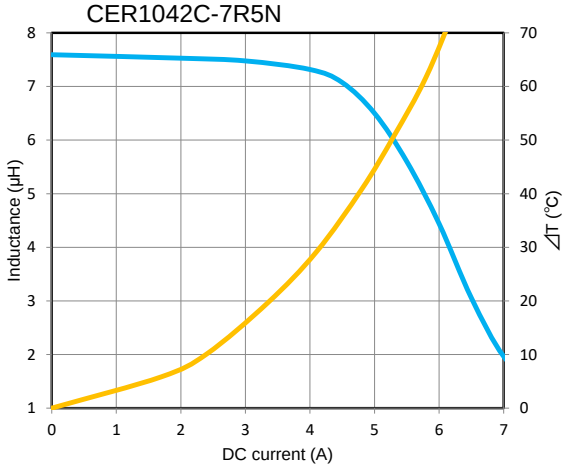
CER1042C-6R2N



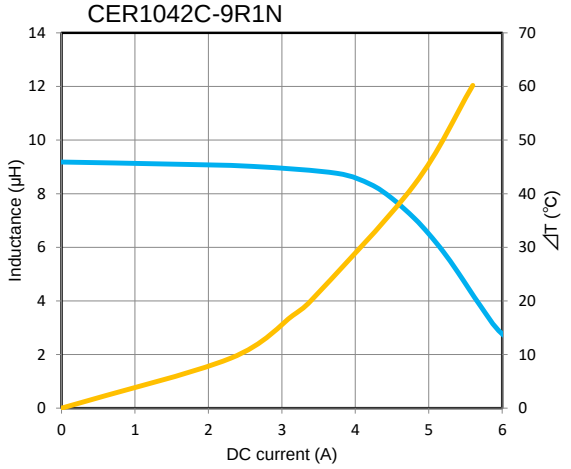
DC bias characteristics vs Temperature Rise Graph

L(25℃)　　⊿T

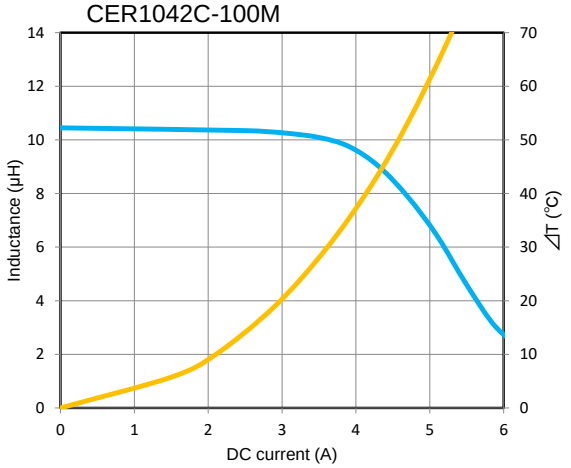
CER1042C-7R5N



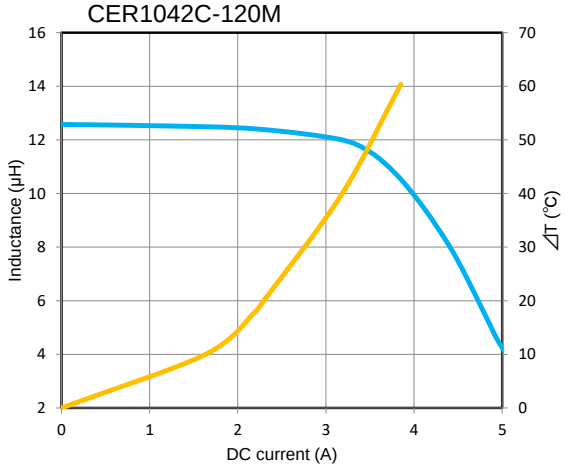
CER1042C-9R1N



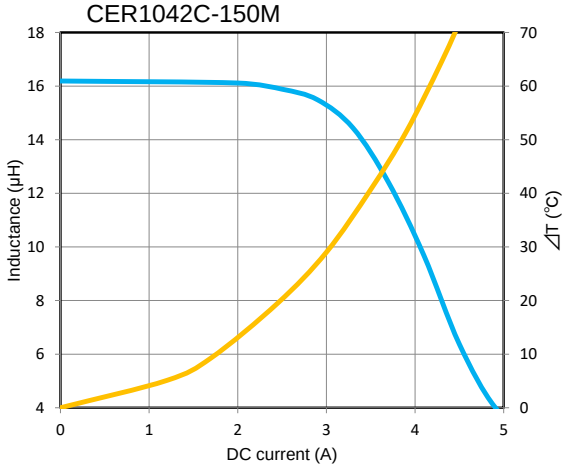
CER1042C-100M



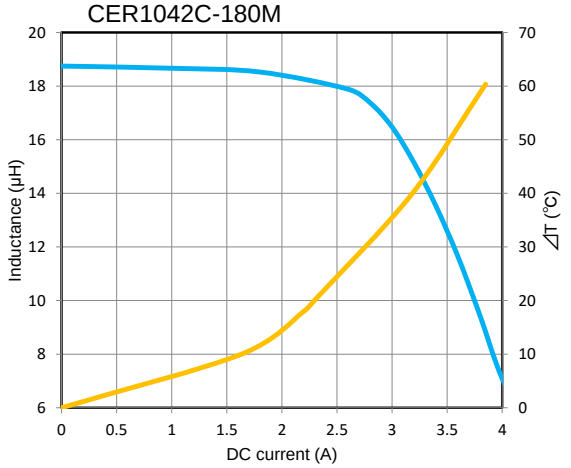
CER1042C-120M



CER1042C-150M



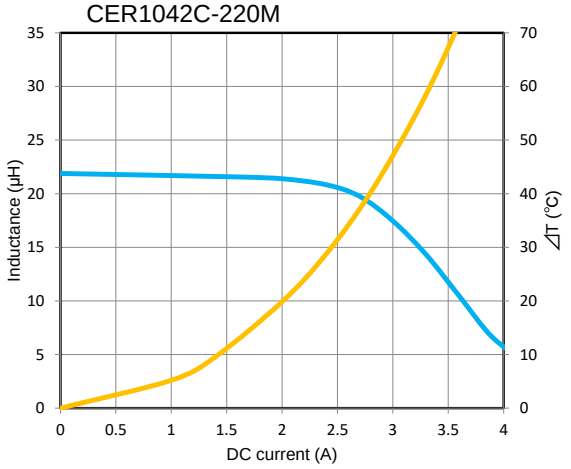
CER1042C-180M



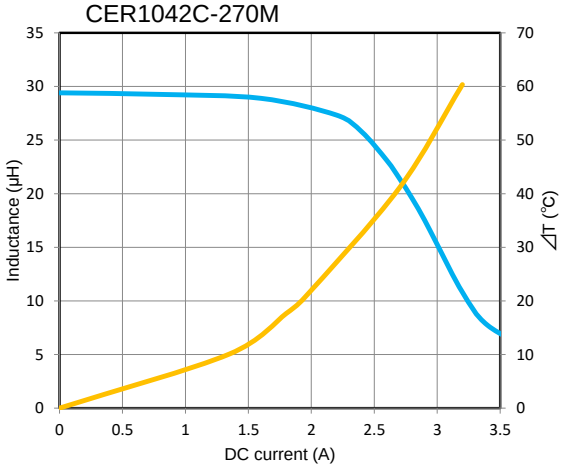
DC bias characteristics vs Temperature Rise Graph

L(25℃)　　⊿T

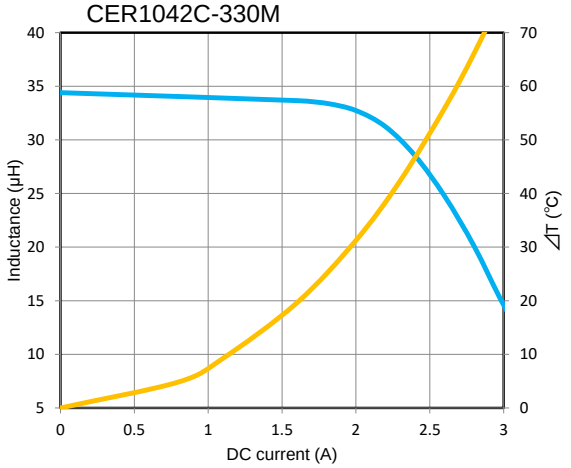
CER1042C-220M



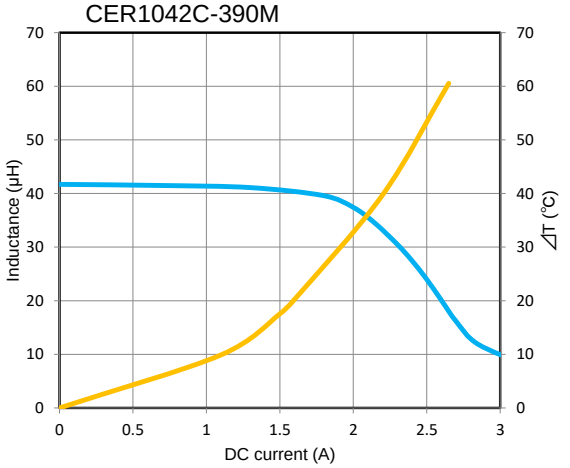
CER1042C-270M



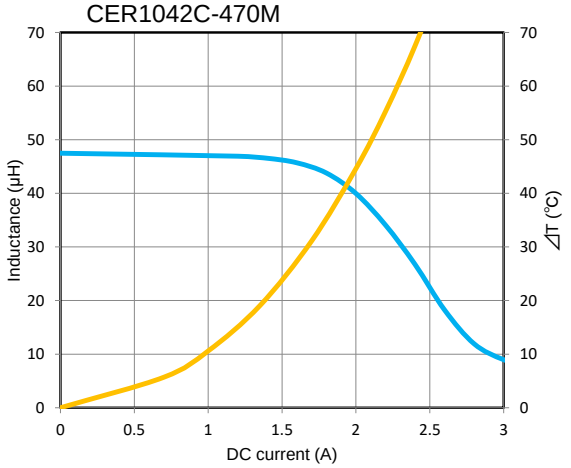
CER1042C-330M



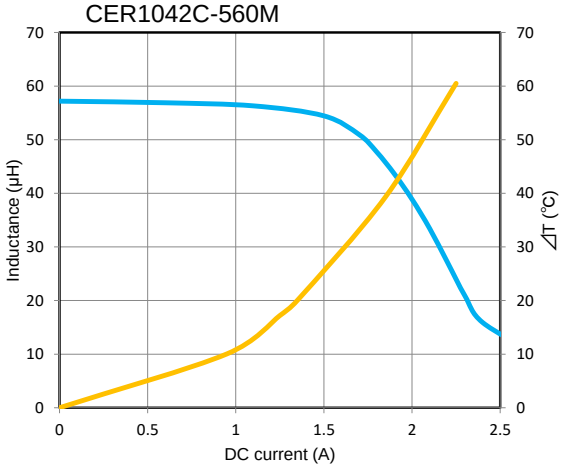
CER1042C-390M



CER1042C-470M



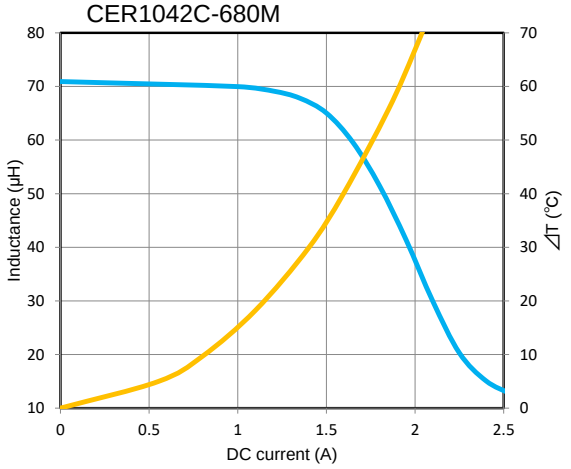
CER1042C-560M



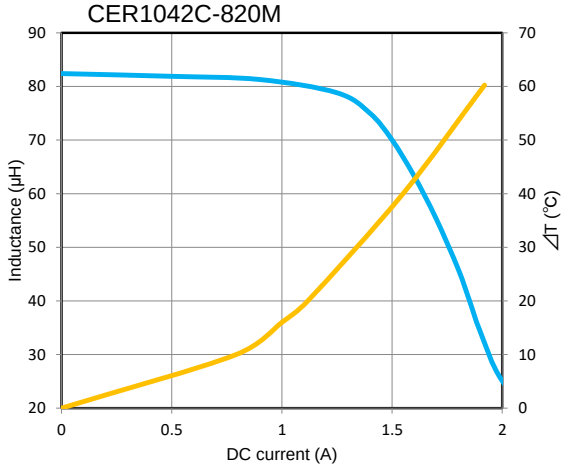
DC bias characteristics vs Temperature Rise Graph

L(25℃)　　⊿T

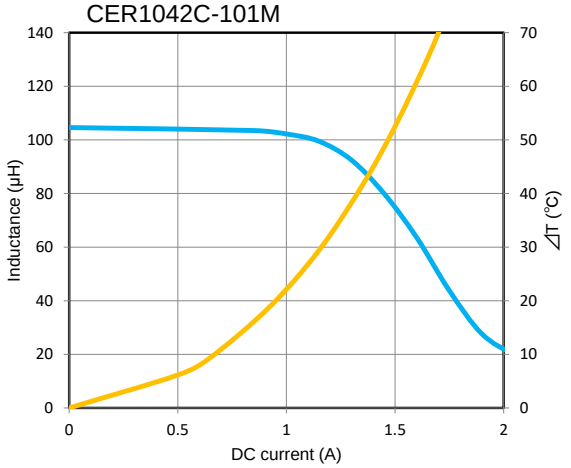
CER1042C-680M



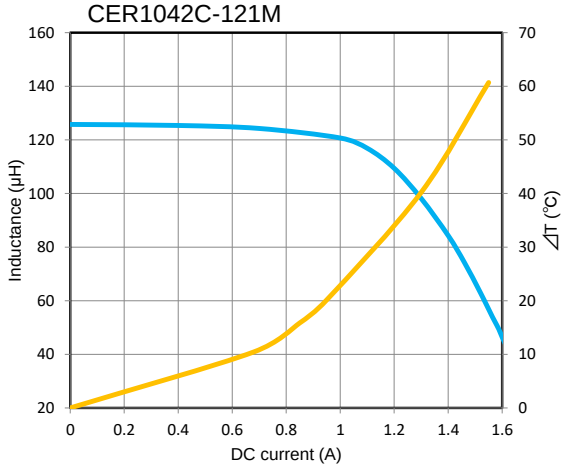
CER1042C-820M



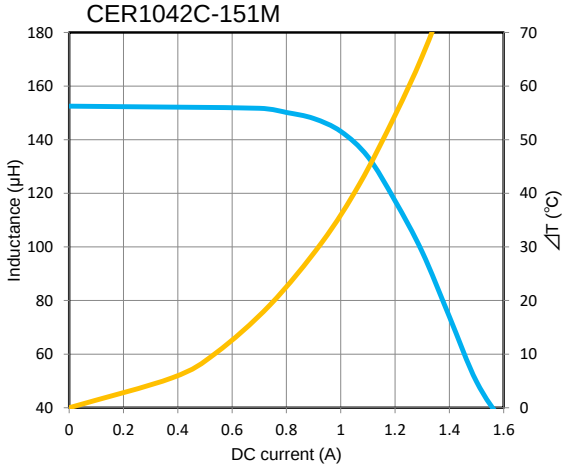
CER1042C-101M



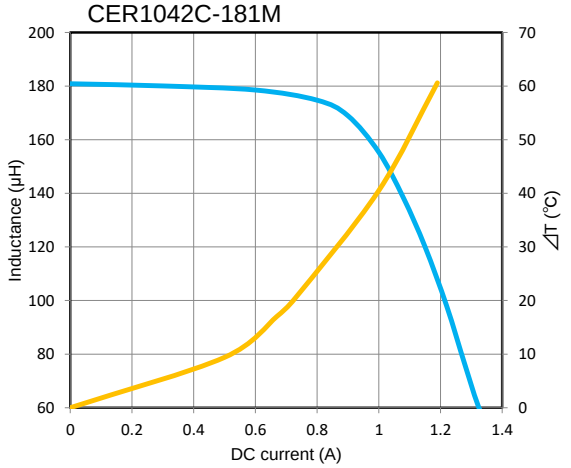
CER1042C-121M



CER1042C-151M



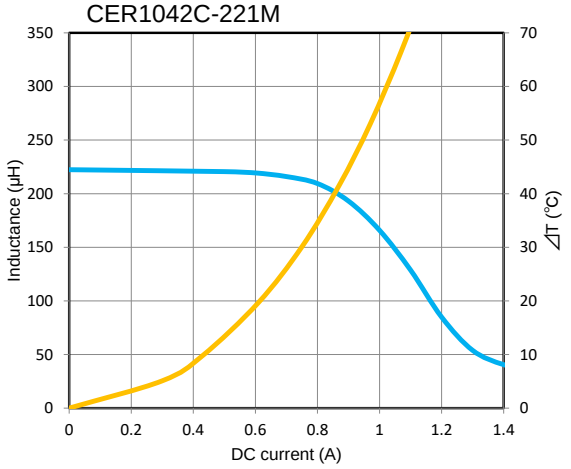
CER1042C-181M



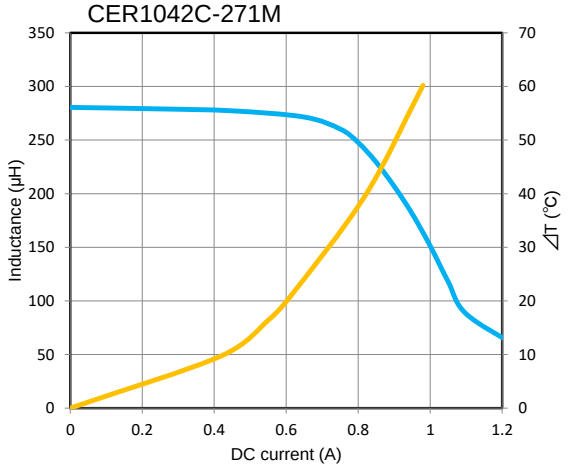
DC bias characteristics vs Temperature Rise Graph

L(25℃)　　⊿T

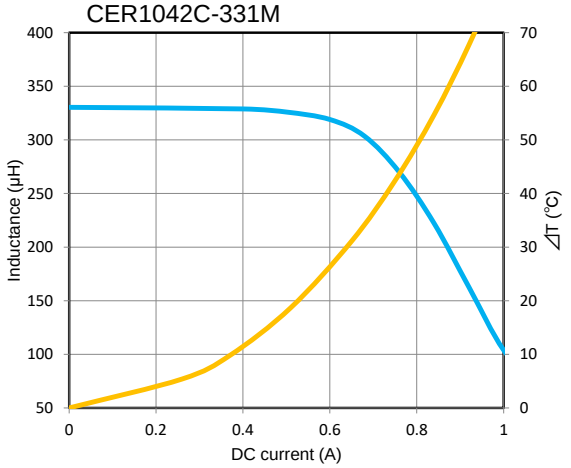
CER1042C-221M



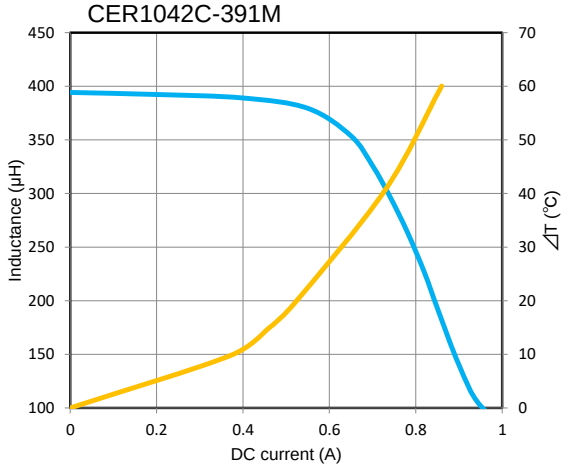
CER1042C-271M



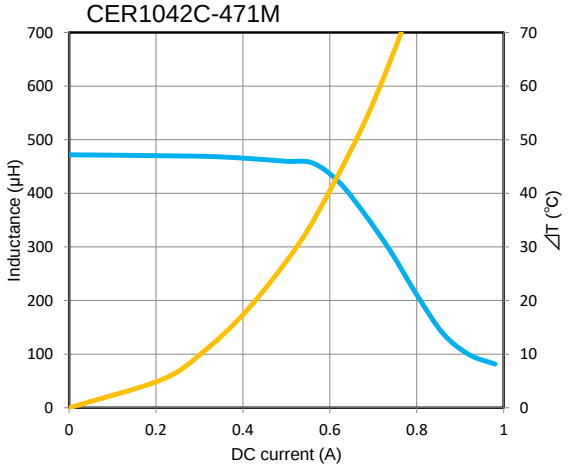
CER1042C-331M



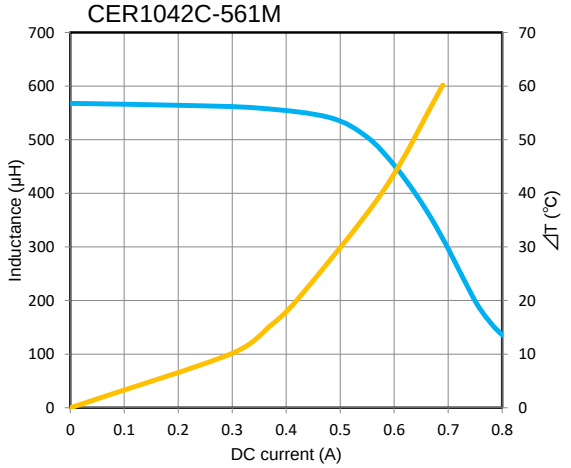
CER1042C-391M



CER1042C-471M



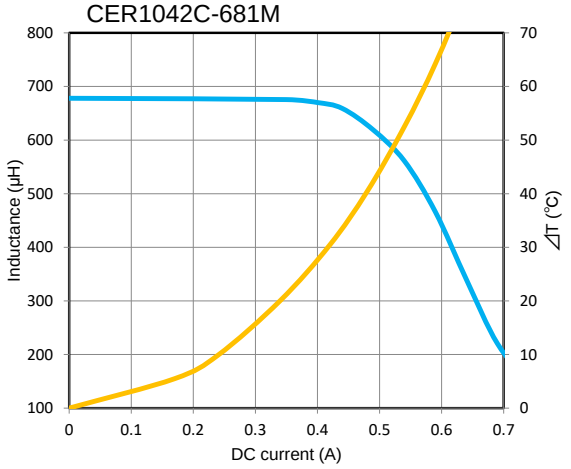
CER1042C-561M



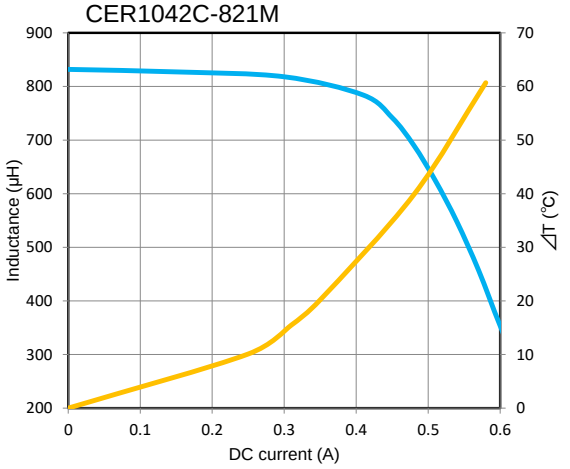
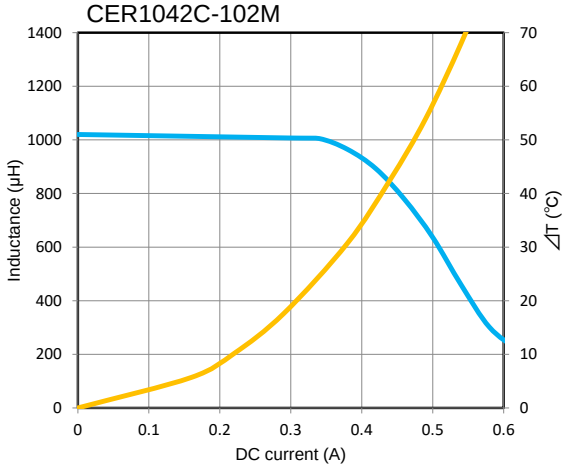
DC bias characteristics vs Temperature Rise Graph

L(25°C)　　⊿T

CER1042C-681M



CER1042C-821M



CER1042C-102M