CER6042C

新产品

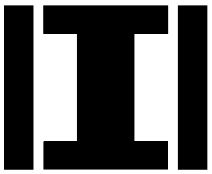
RoHS

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
- 满足AEC-Q200

■ 磁路构造



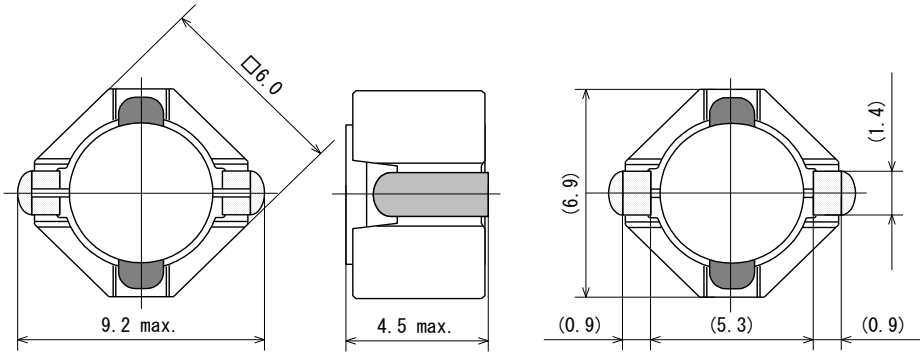
工作温度范围： -40 ℃～ +150 ℃(包含自身发热)

单体重： 0.5 g

■ 用途

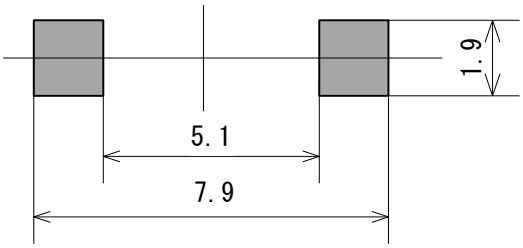
- 汽车音响
- 汽车导航
- ECU
- LED前灯
- 其他
- 各种电源， 工业机器， 医疗机器.美容机器， 能源

■ 外形尺寸



(单位：mm)

■ 推荐焊盘尺寸



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营业部 TEL:0755-27985214
技术部 TEL:0755-27985209

■ 电气规格

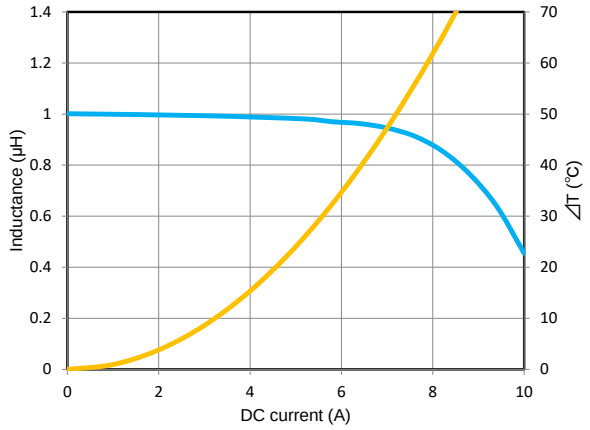
相模品番	电感量 (μH)	直流电阻 (Ω) ±0%	定格电流			
			直流饱和电流 (A)		温度上升电流 (A)	
			Spec.	Typical	Spec.	Typical
CER6042C-1R0N	1.0 ±30%	0.0100	7.50	9.10	4.70	6.40
CER6042C-1R5N	1.5 ±30%	0.0110	6.40	7.90	4.50	6.10
CER6042C-1R8N	1.8 ±30%	0.0130	5.50	6.80	4.20	5.70
CER6042C-2R4N	2.4 ±30%	0.0150	4.90	6.10	3.90	5.40
CER6042C-3R0N	3.0 ±30%	0.0170	4.40	5.40	3.70	5.00
CER6042C-3R6N	3.6 ±30%	0.0190	4.00	5.00	3.40	4.60
CER6042C-4R3N	4.3 ±30%	0.0210	3.70	4.50	3.20	4.30
CER6042C-5R1N	5.1 ±30%	0.0270	3.30	4.10	2.80	3.80
CER6042C-6R2N	6.2 ±30%	0.0320	3.10	3.80	2.50	3.40
CER6042C-6R8N	6.8 ±30%	0.0390	2.80	3.50	2.30	3.10
CER6042C-8R2N	8.2 ±30%	0.0510	2.60	3.30	2.00	2.70
CER6042C-100M	10 ±20%	0.0580	2.40	2.90	1.80	2.50
CER6042C-120M	12 ±20%	0.0720	2.30	2.80	1.60	2.20
CER6042C-150M	15 ±20%	0.110	1.85	2.30	1.30	1.75
CER6042C-180M	18 ±20%	0.120	1.70	2.15	1.25	1.70
CER6042C-220M	22 ±20%	0.130	1.60	2.00	1.20	1.60
CER6042C-270M	27 ±20%	0.150	1.45	1.80	1.15	1.55
CER6042C-330M	33 ±20%	0.170	1.30	1.65	1.10	1.45
CER6042C-390M	39 ±20%	0.190	1.20	1.50	1.05	1.40
CER6042C-470M	47 ±20%	0.210	1.10	1.40	0.950	1.35
CER6042C-560M	56 ±20%	0.230	1.00	1.25	0.900	1.25
CER6042C-680M	68 ±20%	0.310	0.900	1.15	0.800	1.05
CER6042C-820M	82 ±20%	0.410	0.850	1.05	0.650	0.900
CER6042C-101M	100 ±20%	0.460	0.750	0.950	0.600	0.850
CER6042C-121M	120 ±20%	0.640	0.700	0.850	0.500	0.700
CER6042C-151M	150 ±20%	0.730	0.600	0.750	0.480	0.650
CER6042C-181M	180 ±20%	0.800	0.550	0.700	0.450	0.600
CER6042C-221M	220 ±20%	0.910	0.520	0.650	0.430	0.580
CER6042C-271M	270 ±20%	1.04	0.460	0.580	0.410	0.530
CER6042C-331M	330 ±20%	1.28	0.430	0.530	0.360	0.480
CER6042C-391M	390 ±20%	1.62	0.390	0.480	0.320	0.430
CER6042C-471M	470 ±20%	2.15	0.350	0.430	0.290	0.390
CER6042C-561M	560 ±20%	2.81	0.320	0.400	0.250	0.330
CER6042C-681M	680 ±20%	3.16	0.290	0.360	0.230	0.310
CER6042C-821M	820 ±20%	3.53	0.270	0.330	0.220	0.300

・电感量测试条件 ： 100kHz,1V
・定格电流：直流饱和电流和温度上升电流中较小的值
1.直流饱和电流(Spec.) ：初期电感量下降 30%以内 的电流值
直流饱和电流(Typical) ：初期电感量下降 30% 的电流值
2.温度上升电流(Spec.) ：磁芯表面温度上升至 40℃以下 的直流电流
温度上升电流(Typical) ：磁芯表面温度上升至 40℃ 的直流电流

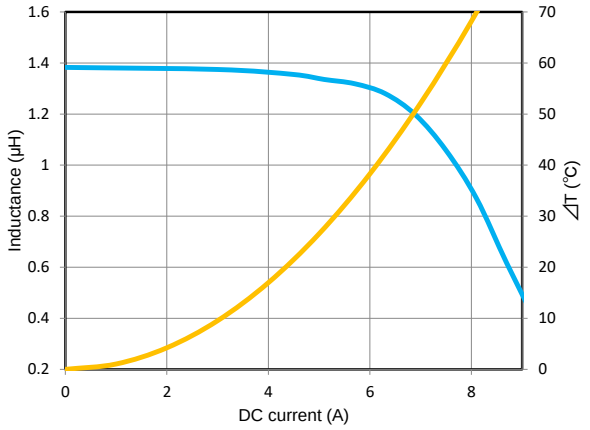
DC bias characteristics vs Temperature Rise Graph

L(25℃)　　⊿T

CER6042C-1R0N



CER6042C-1R5N



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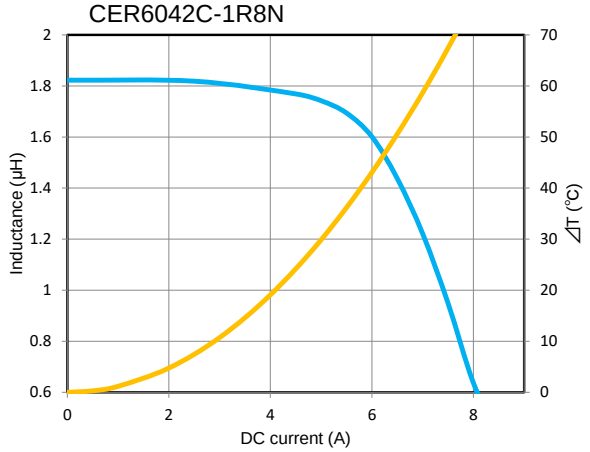

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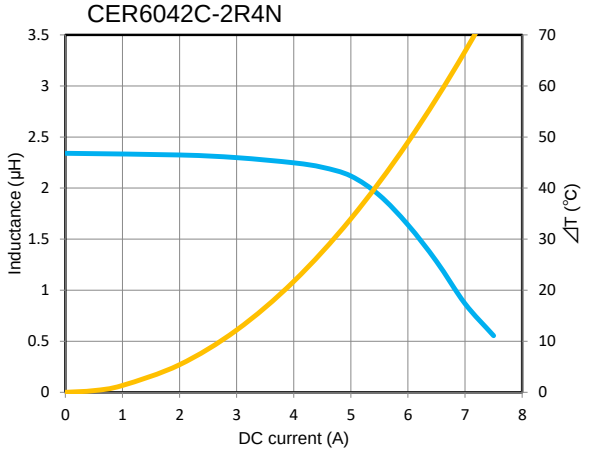

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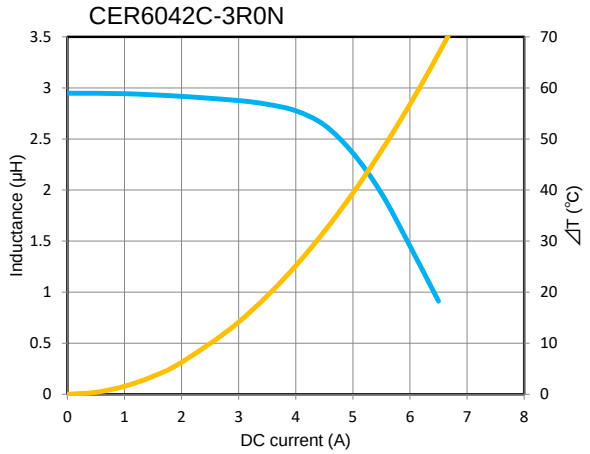

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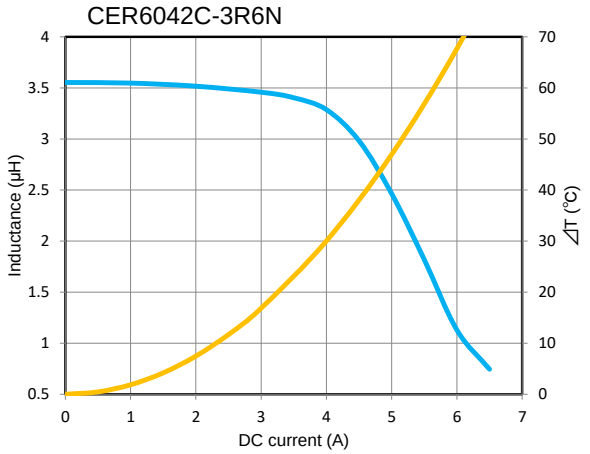

DC bias characteristics vs Temperature Rise Graph

L(25℃) ⊿T

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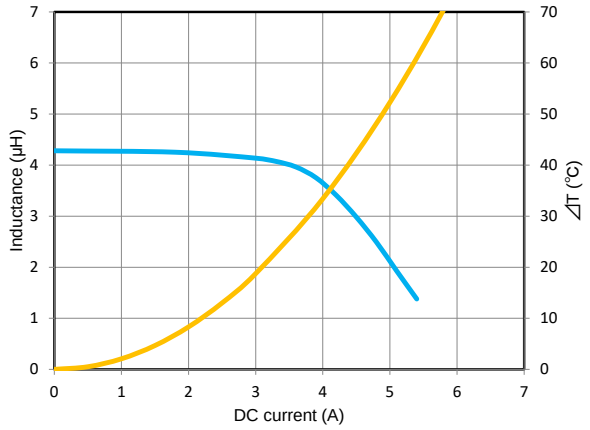

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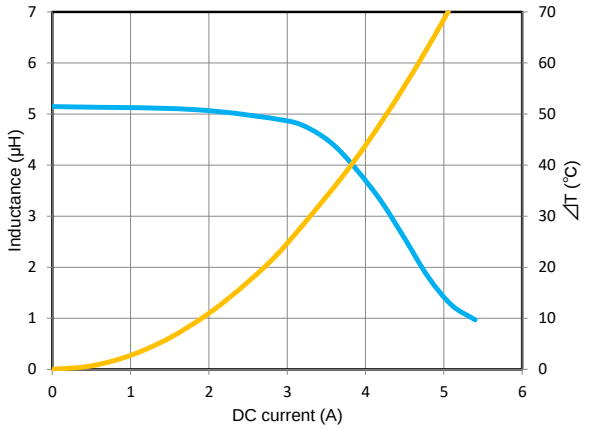

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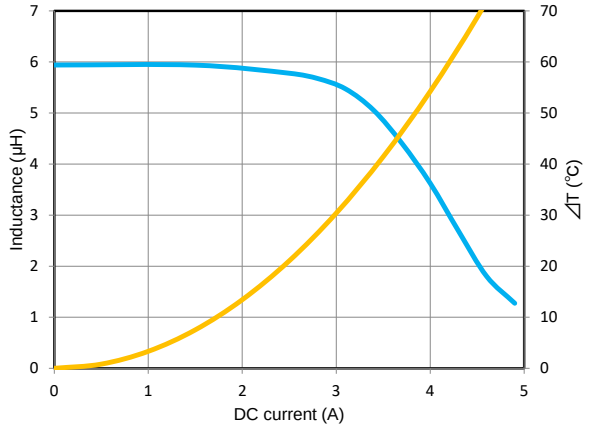

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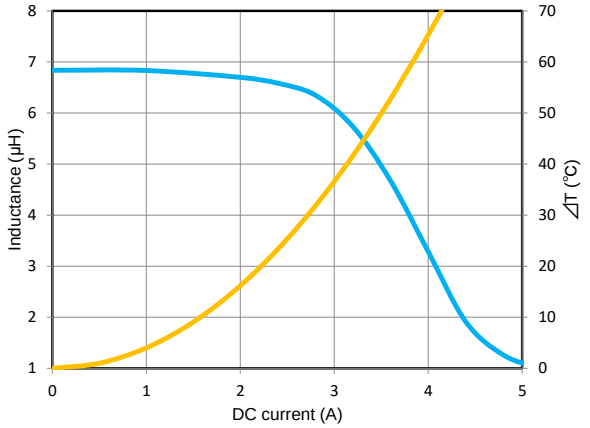

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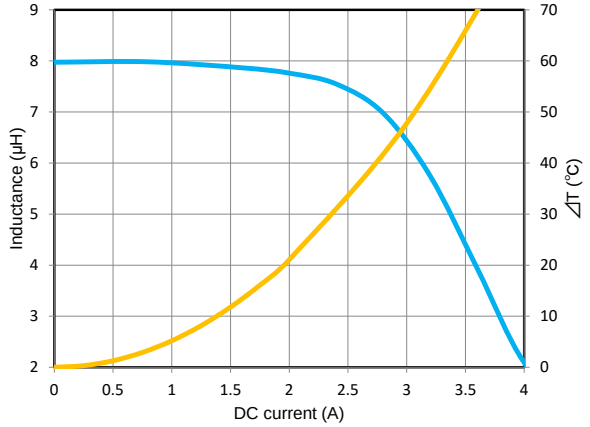

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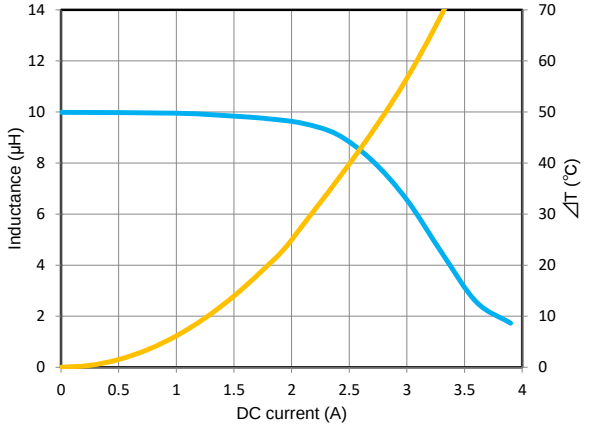
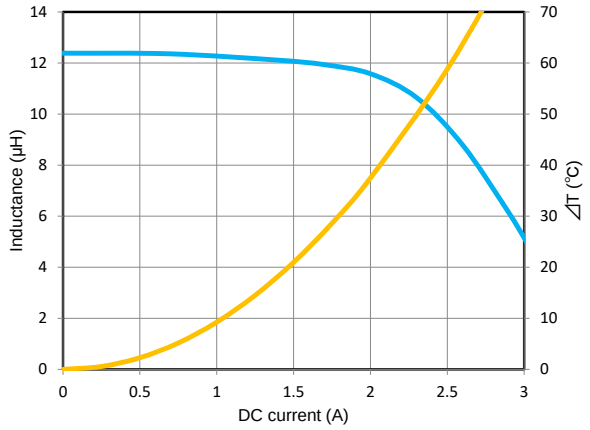


DC bias characteristics vs Temperature Rise Graph

L(25℃) ⊿T

CER6042C-120M



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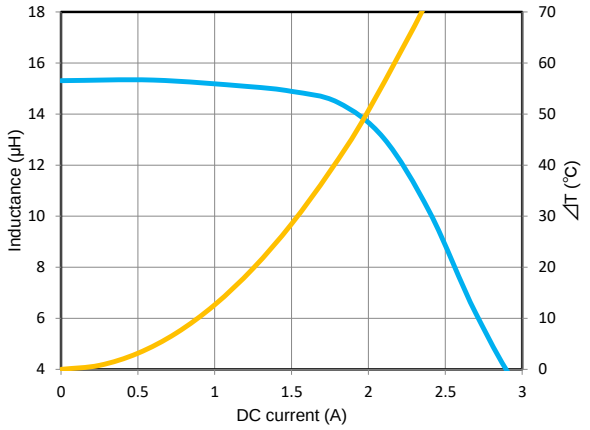

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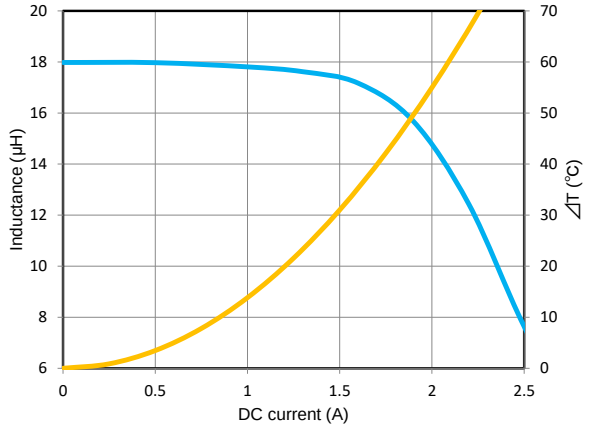

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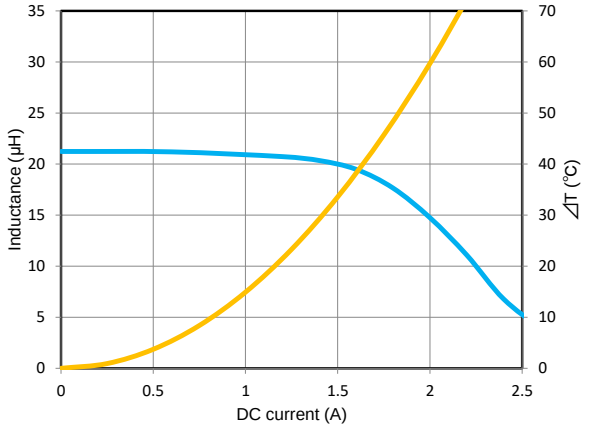

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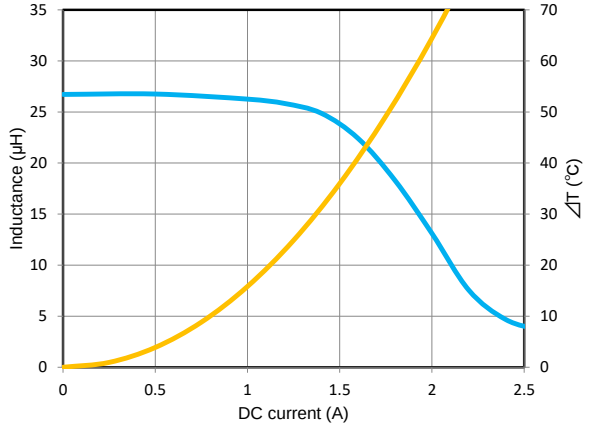

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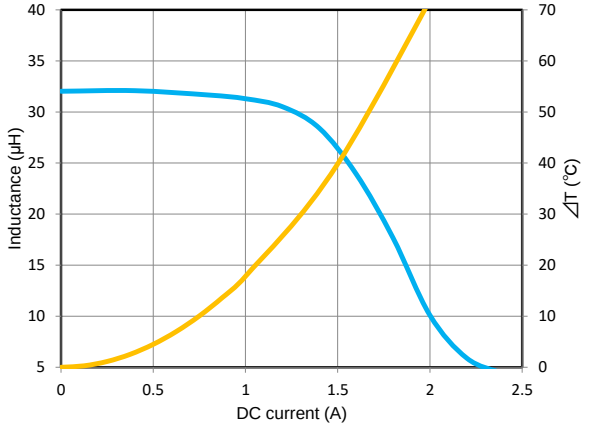

DC bias characteristics vs Temperature Rise Graph

L(25℃) ⊿T

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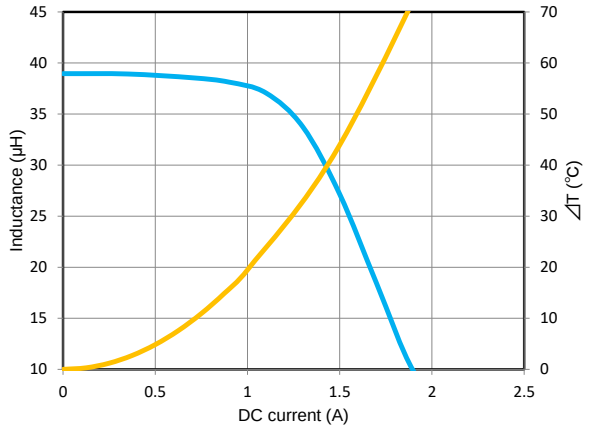

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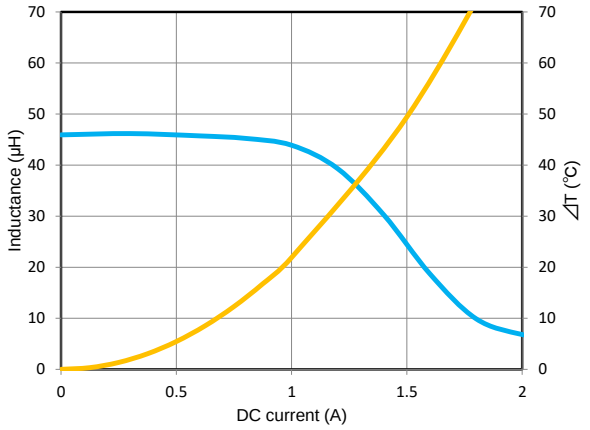

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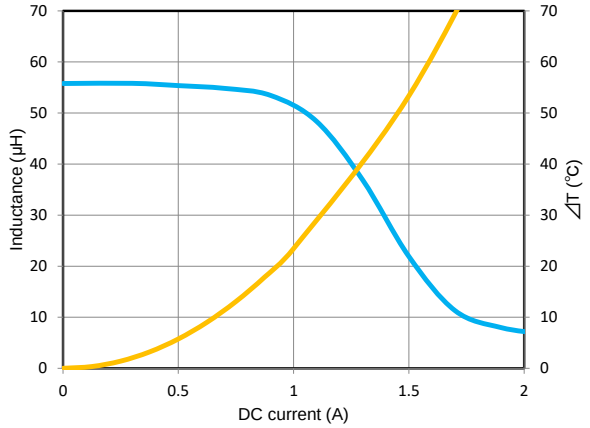

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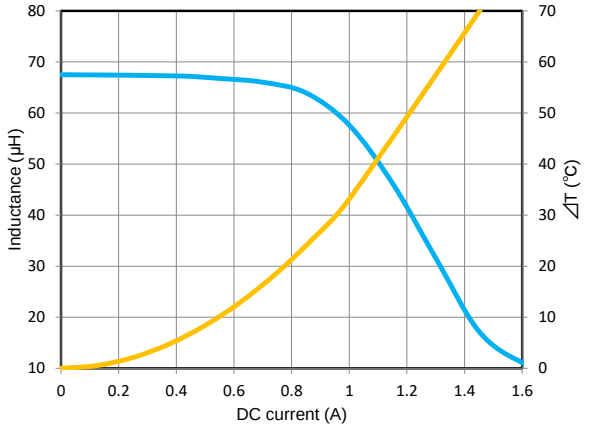

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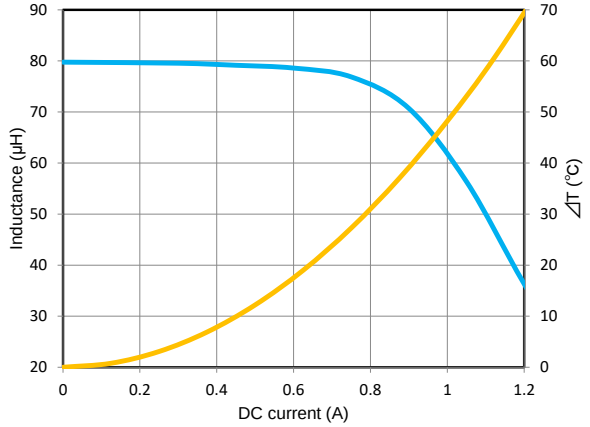

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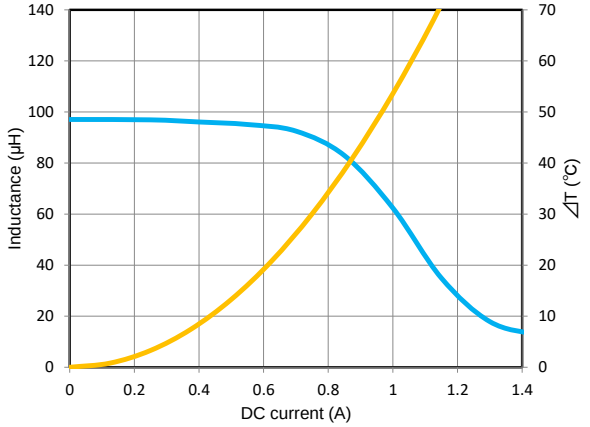

DC bias characteristics vs Temperature Rise Graph

L(25℃) ⊿T

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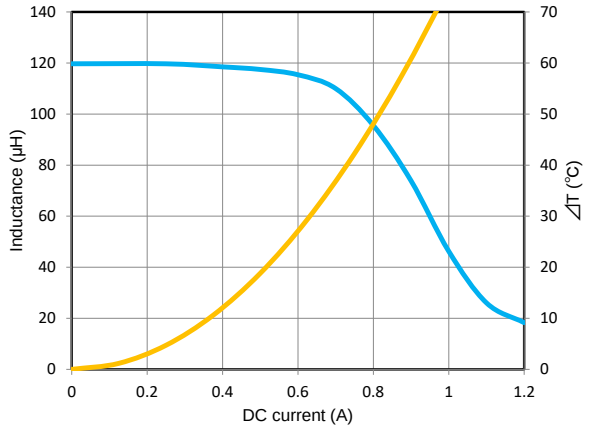

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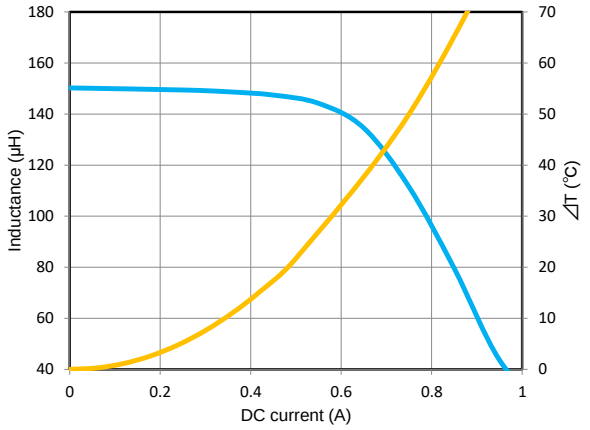

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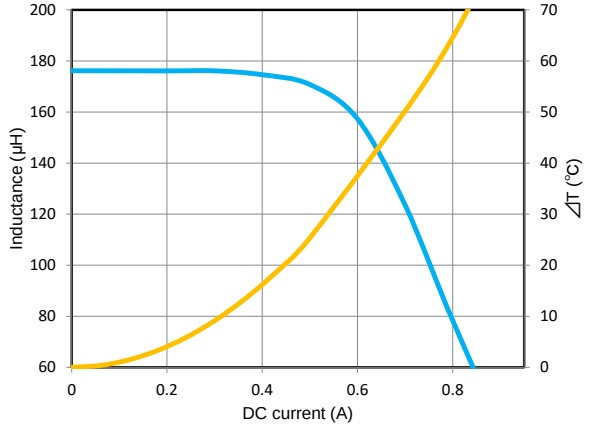

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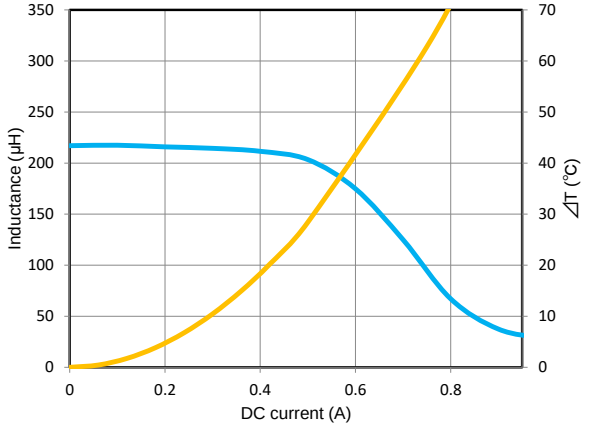

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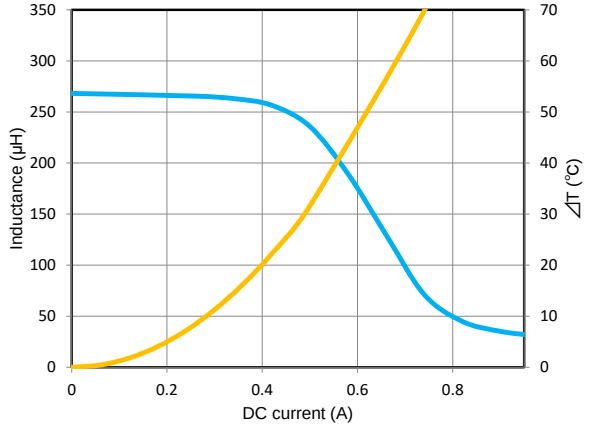

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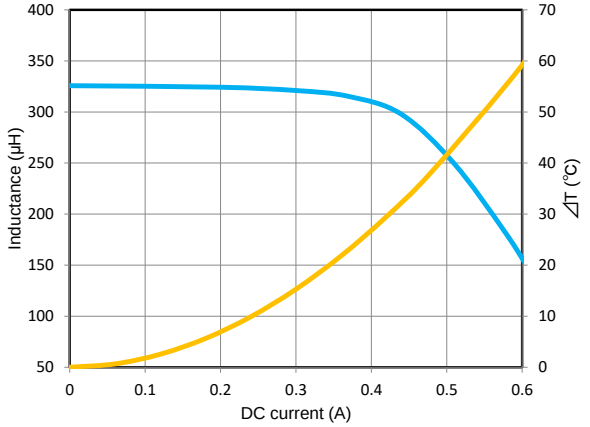

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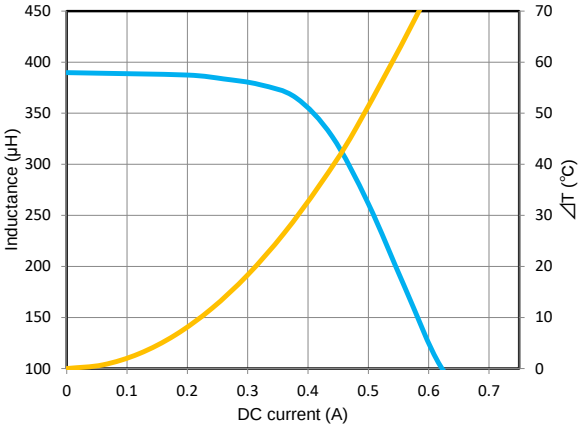

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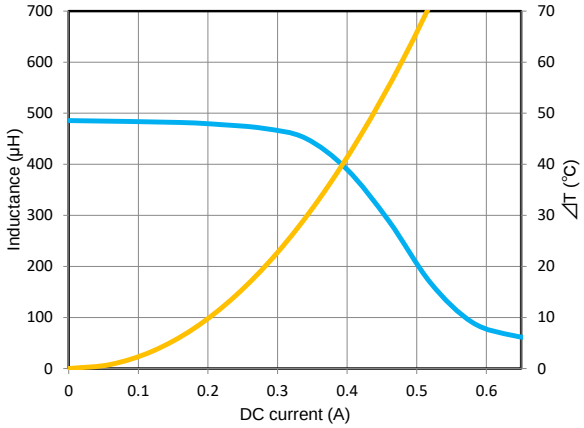

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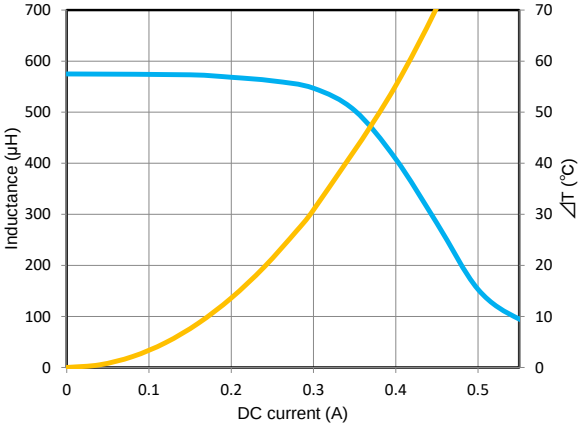

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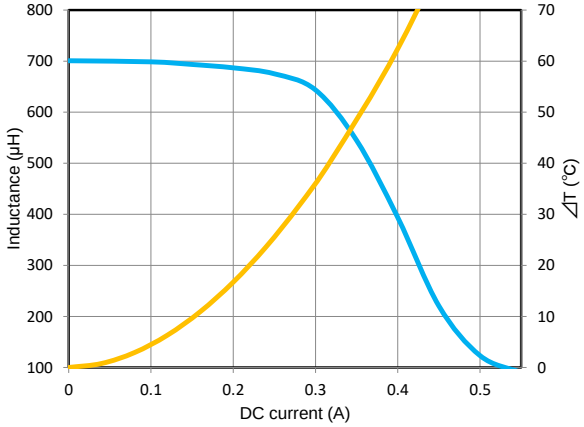

CER6042C-821M