CER8042C

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）

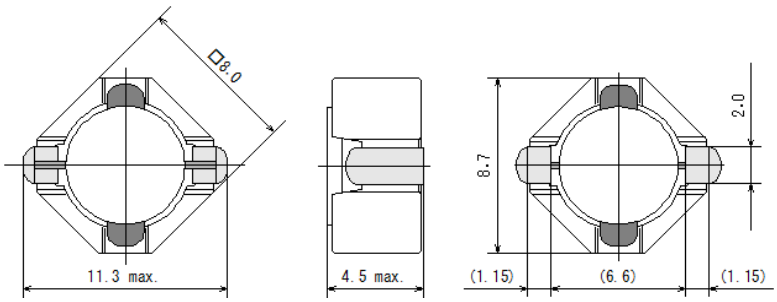
磁路构造：

单体重：　　0.91 g

■ 用途

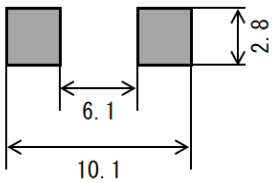
- 车载/汽车音响, 汽车导航, ECU, LED前灯
- 其他/各种电源, 工业机器, 医疗机器. 美容机器, 能源

■ 外形尺寸



（单位：mm）

■ 推荐焊盘



（单位：mm）

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■ 电气规格

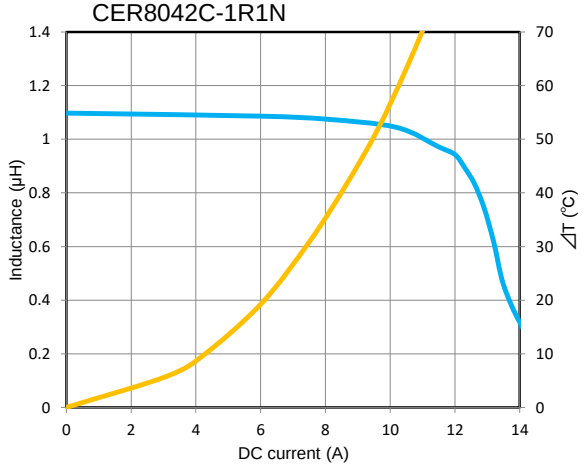
相模品番	电感值 (μH)	直流电阻 (Ω) ±30%	额定直流电流 (A)		额定温度上升电流 (A)	
			Typical	Spec	Typical	Spec
CER8042C-1R1N	1.1±30%	0.00600	13.2	10.2	8.00	6.05
CER8042C-1R6N	1.6±30%	0.00700	10.8	8.50	7.15	5.35
CER8042C-2R2N	2.2±30%	0.0100	8.90	7.00	6.15	4.60
CER8042C-3R0N	3±30%	0.0120	8.00	6.20	5.50	4.15
CER8042C-3R9N	3.9±30%	0.0160	7.15	5.30	4.65	3.50
CER8042C-4R7N	4.7±30%	0.0200	6.35	4.80	4.20	3.15
CER8042C-6R2N	6.2±30%	0.0240	5.80	4.40	3.85	2.85
CER8042C-6R8N	6.8±30%	0.0290	5.20	4.00	3.50	2.60
CER8042C-8R2N	8.2±30%	0.0370	4.65	3.80	3.10	2.30
CER8042C-100M	10±20%	0.0390	4.50	3.50	2.95	2.20
CER8042C-120M	12±20%	0.0490	4.15	3.20	2.70	2.00
CER8042C-150M	15±20%	0.0620	3.65	2.80	2.35	1.75
CER8042C-180M	18±20%	0.0720	3.15	2.55	2.20	1.60
CER8042C-220M	22±20%	0.0850	2.95	2.30	2.05	1.50
CER8042C-270M	27±20%	0.100	2.75	2.00	1.85	1.35
CER8042C-330M	33±20%	0.120	2.45	1.85	1.70	1.25
CER8042C-390M	39±20%	0.150	2.20	1.70	1.55	1.10
CER8042C-470M	47±20%	0.170	2.00	1.50	1.45	1.05
CER8042C-560M	56±20%	0.210	1.90	1.40	1.30	0.940
CER8042C-680M	68±20%	0.240	1.70	1.30	1.20	0.870
CER8042C-820M	82±20%	0.300	1.55	1.15	1.05	0.780
CER8042C-101M	100±20%	0.360	1.40	1.10	1.00	0.710
CER8042C-121M	120±20%	0.450	1.25	1.00	0.890	0.640
CER8042C-151M	150±20%	0.540	1.10	0.900	0.810	0.580
CER8042C-181M	180±20%	0.690	1.00	0.800	0.720	0.510
CER8042C-221M	220±20%	0.770	0.950	0.700	0.680	0.480
CER8042C-271M	270±20%	0.960	0.860	0.650	0.610	0.430
CER8042C-331M	330±20%	1.20	0.750	0.600	0.550	0.380
CER8042C-391M	390±20%	1.54	0.720	0.550	0.480	0.340
CER8042C-471M	470±20%	1.70	0.660	0.500	0.460	0.320
CER8042C-561M	560±20%	2.16	0.600	0.470	0.410	0.280
CER8042C-681M	680±20%	2.39	0.550	0.430	0.390	0.270
CER8042C-821M	820±20%	3.05	0.490	0.390	0.340	0.240
CER8042C-102M	1000±20%	3.49	0.450	0.350	0.320	0.220

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

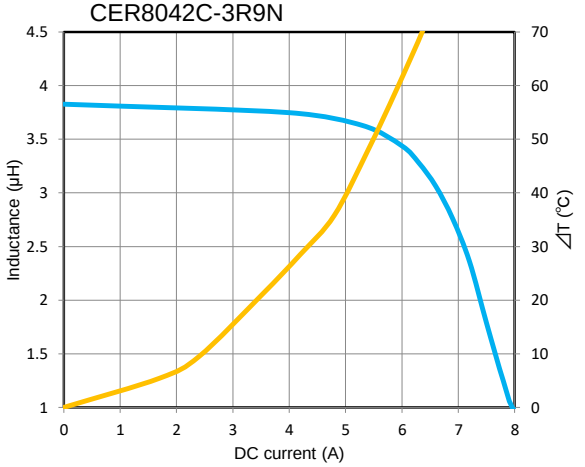
DC bias characteristics vs Temperature Rise Graph

L(25℃)　　⊿T

CER8042C-1R1N



CER8042C-3R9N



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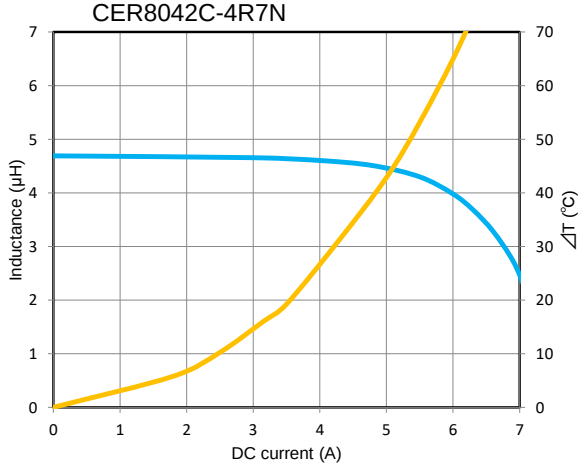

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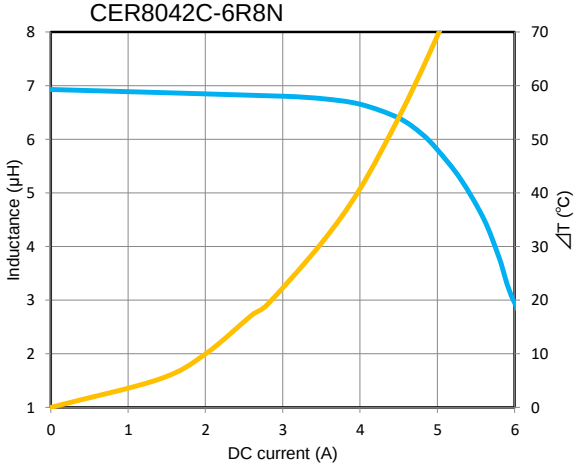
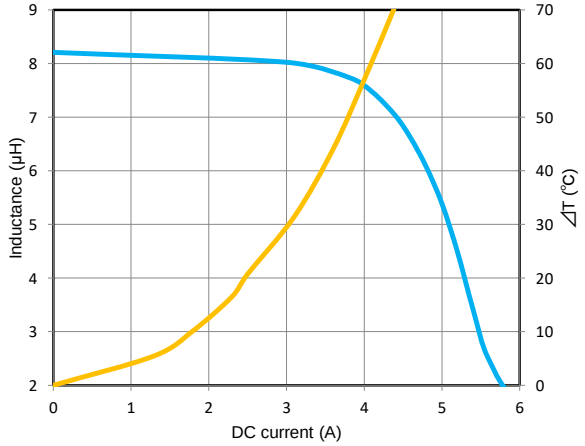


CER8042C-8R2N



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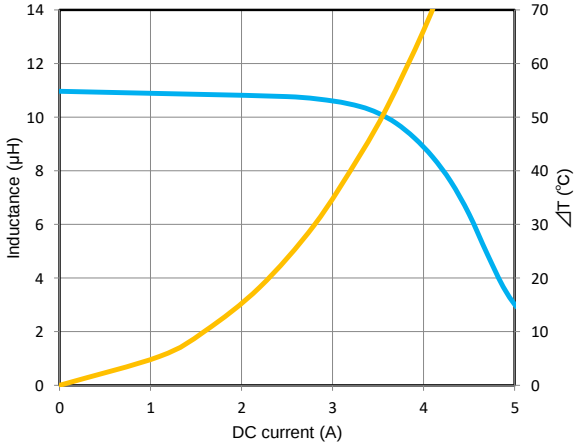
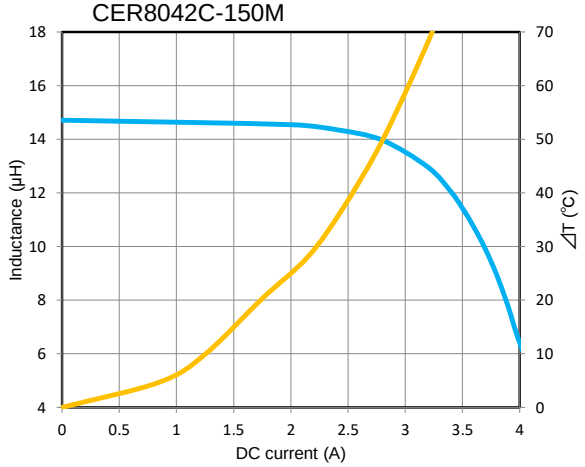


DC bias characteristics vs Temperature Rise Graph

L(25℃) ⊿T

CER8042C-150M



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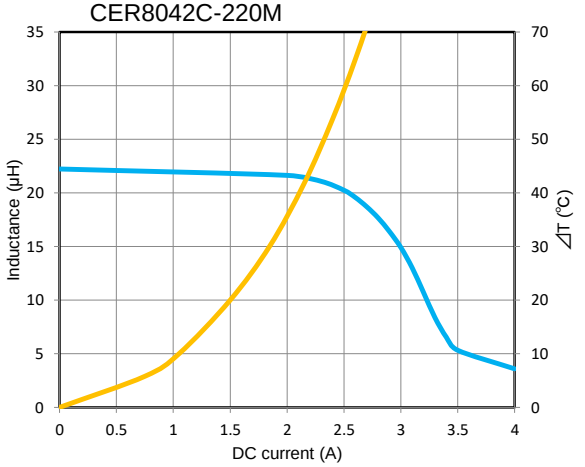

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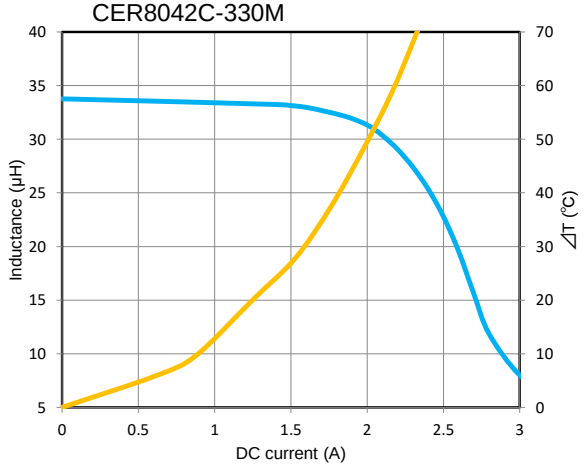

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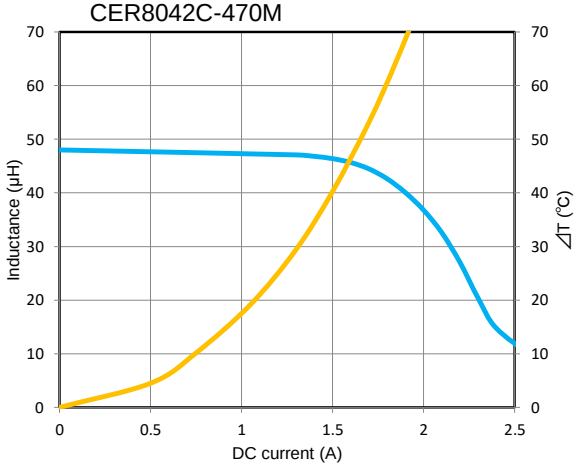

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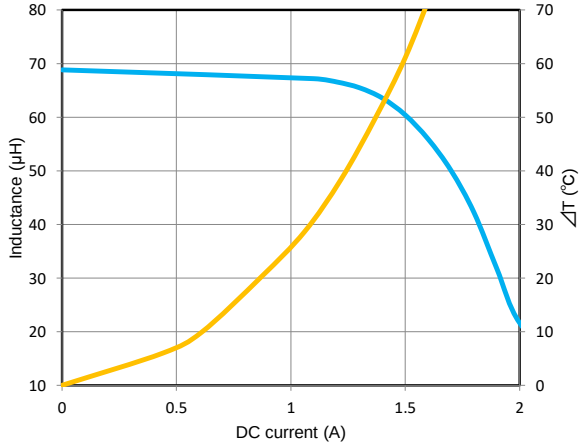

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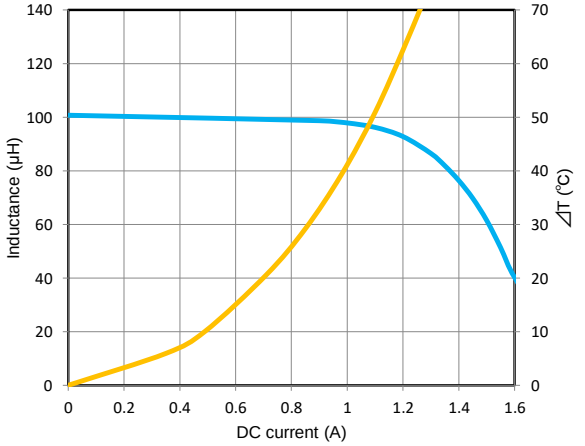
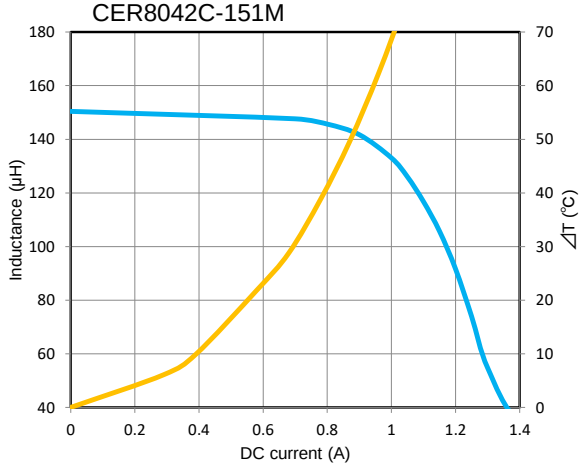


DC bias characteristics vs Temperature Rise Graph

L(25℃) ⊿T

CER8042C-151M



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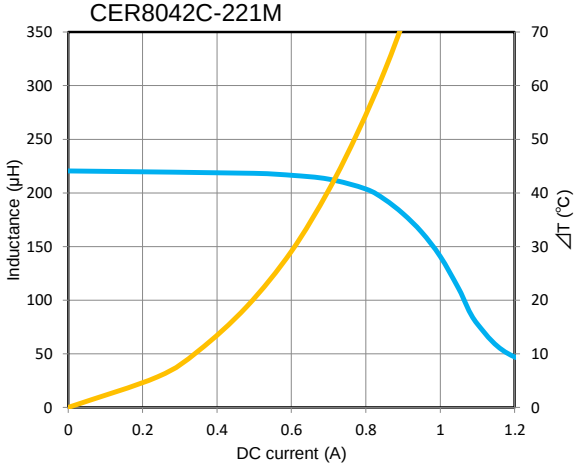

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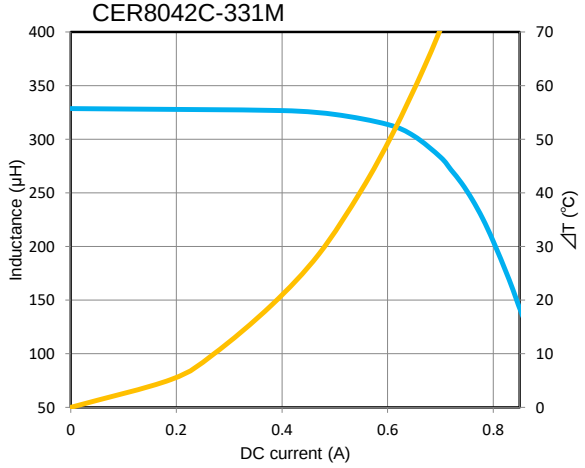

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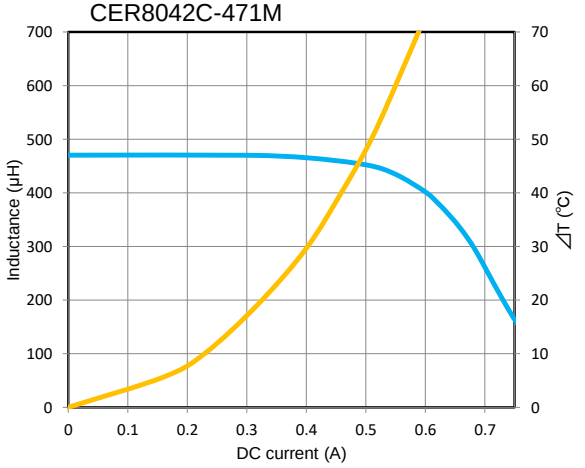

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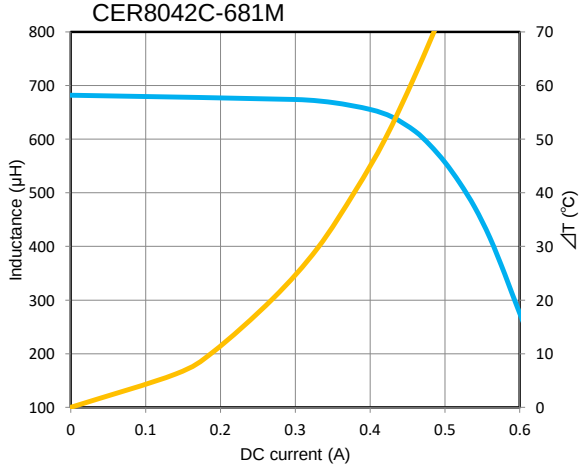

CER8042C-102M