

HER5027C

AEC-Q200



■ 特长

- 车载上高信赖性使用
- 大电流
- 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：

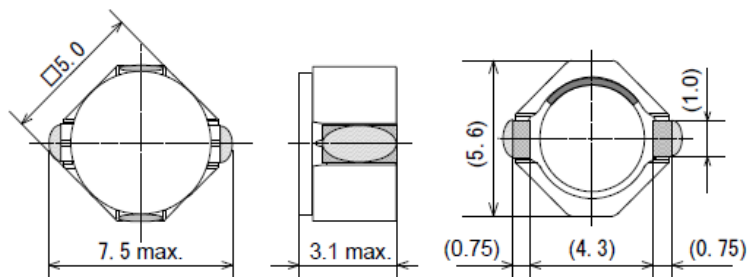


单体重： 0.24 g

■ 用途

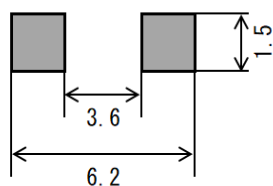
- 车载/ECU, LED前灯, 汽车音响, 汽车导航
- 其他/各种电源, 工业机器

■ 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。

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 (mA)	额定温度 上升电流 (mA)
HER5027C-1R0N	1 $\pm 30\%$	0.00900	5.50	5.30
HER5027C-1R5N	1.5 $\pm 30\%$	0.0120	4.50	4.75
HER5027C-2R0N	2 $\pm 30\%$	0.0160	3.85	3.65
HER5027C-3R0N	3 $\pm 30\%$	0.0210	3.35	3.40
HER5027C-3R6N	3.6 $\pm 30\%$	0.0290	2.85	2.82
HER5027C-4R3N	4.3 $\pm 30\%$	0.0380	2.70	2.45
HER5027C-5R6N	5.6 $\pm 30\%$	0.0450	2.45	2.25
HER5027C-6R2N	6.2 $\pm 30\%$	0.0630	2.15	1.90
HER5027C-7R5N	7.5 $\pm 30\%$	0.0750	2.00	1.70
HER5027C-100M	10 $\pm 20\%$	0.0910	1.70	1.55
HER5027C-120M	12 $\pm 20\%$	0.0980	1.60	1.45
HER5027C-150M	15 $\pm 20\%$	0.120	1.40	1.30
HER5027C-180M	18 $\pm 20\%$	0.130	1.30	1.25
HER5027C-220M	22 $\pm 20\%$	0.150	1.15	1.15
HER5027C-270M	27 $\pm 20\%$	0.190	1.05	1.00
HER5027C-330M	33 $\pm 20\%$	0.230	1.00	0.950
HER5027C-390M	39 $\pm 20\%$	0.300	0.900	0.800
HER5027C-470M	47 $\pm 20\%$	0.390	0.800	0.700
HER5027C-560M	56 $\pm 20\%$	0.470	0.700	0.630
HER5027C-680M	68 $\pm 20\%$	0.590	0.650	0.560
HER5027C-820M	82 $\pm 20\%$	0.670	0.600	0.520
HER5027C-101M	100 $\pm 20\%$	0.750	0.550	0.490
HER5027C-121M	120 $\pm 20\%$	0.840	0.450	0.460
HER5027C-151M	150 $\pm 20\%$	1.12	0.400	0.390
HER5027C-181M	180 $\pm 20\%$	1.26	0.350	0.370

电感量测试条件: 100kHz, 1V ($< 10 \mu$ H)、1kHz, 1V ($\geq 10 \mu$ H)
 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



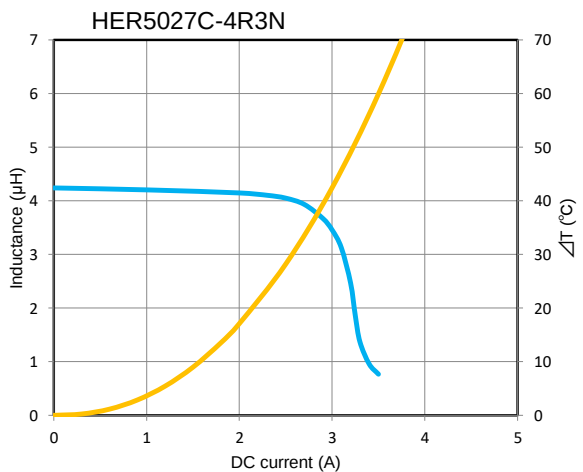
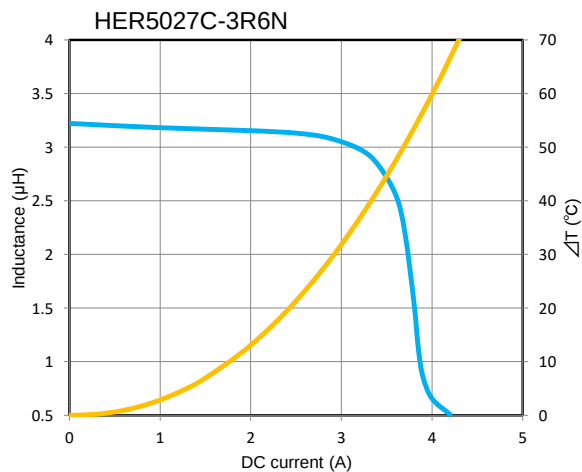
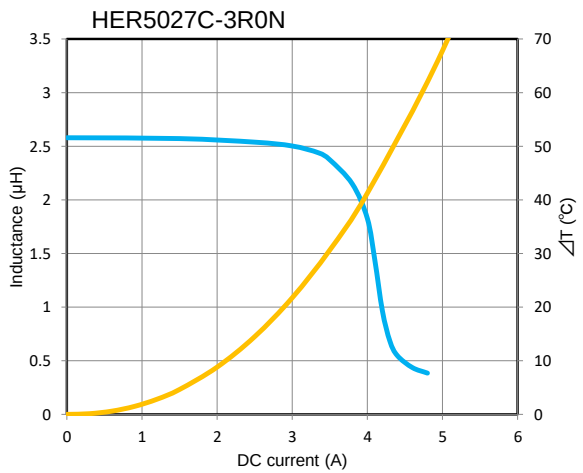
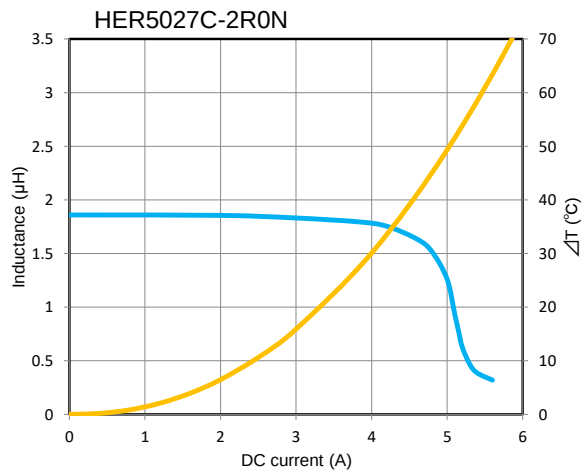
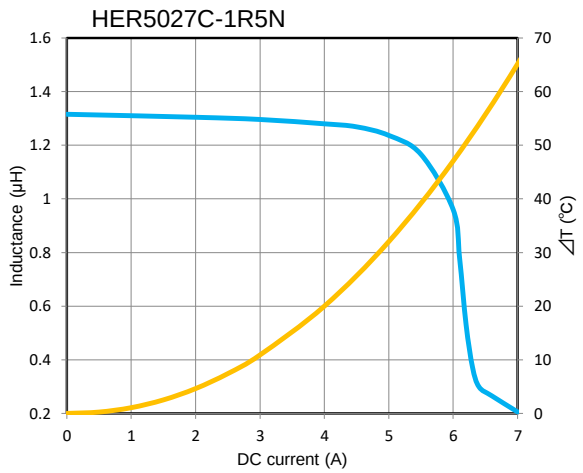
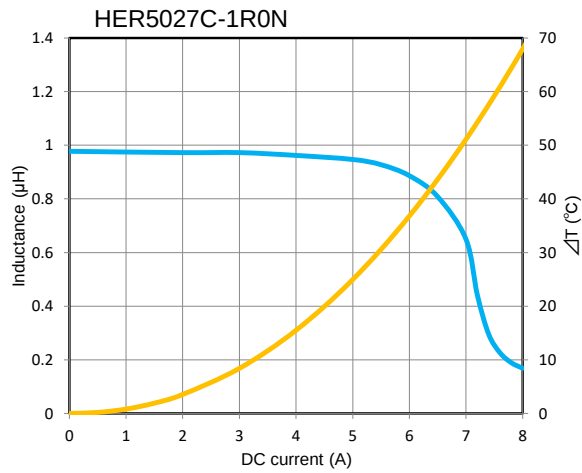
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DC bias characteristics vs Temperature Rise Graph

— $L(25^{\circ}\text{C})$
— ΔT



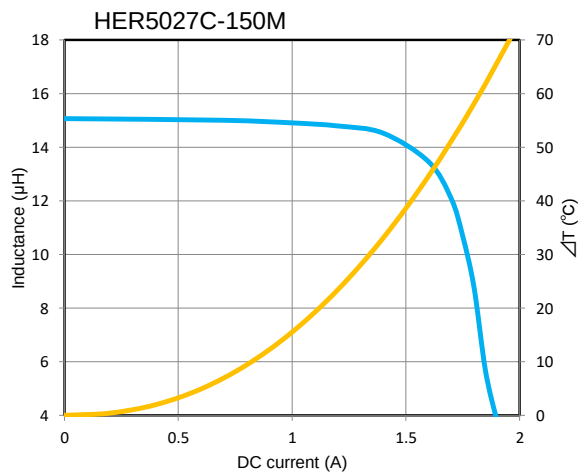
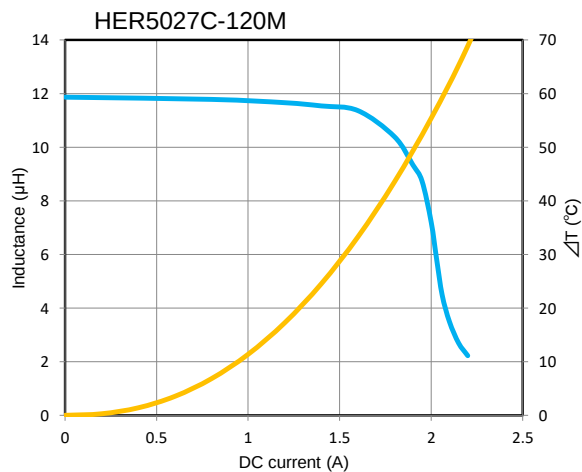
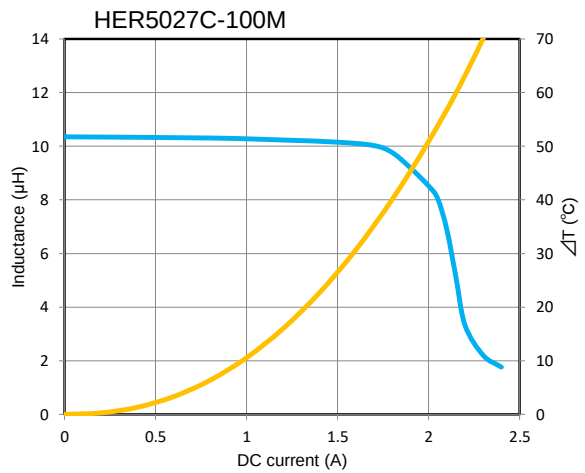
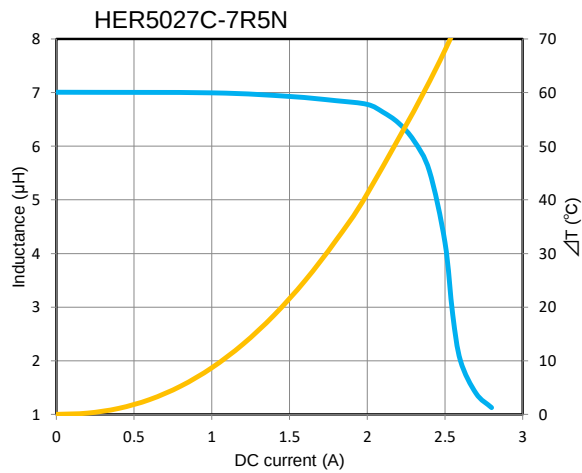
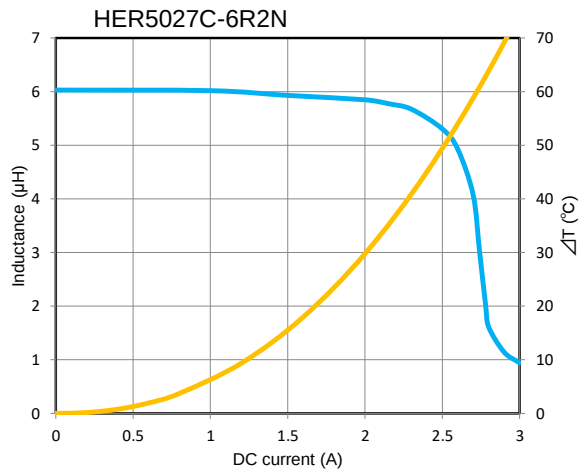
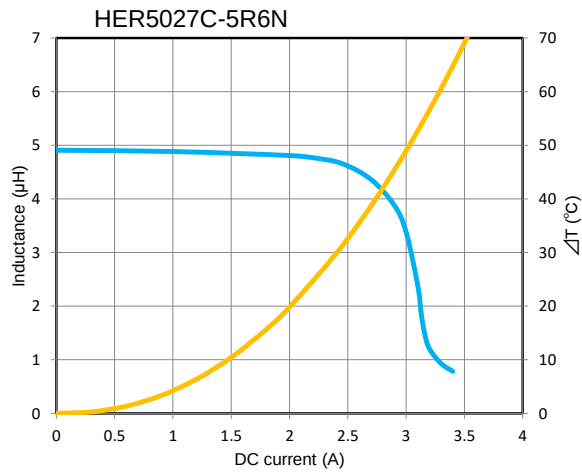
DC bias characteristics vs Temperature Rise Graph



L(25°C)



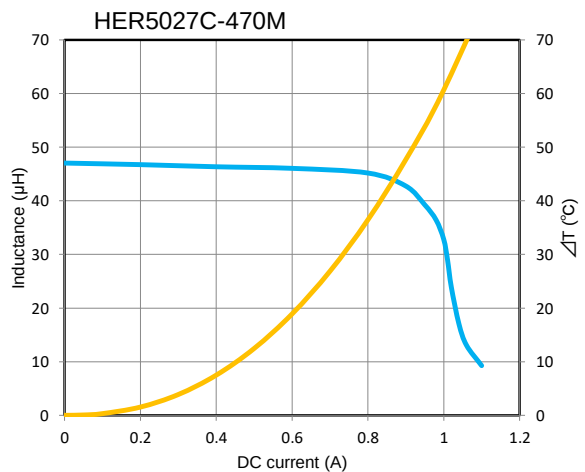
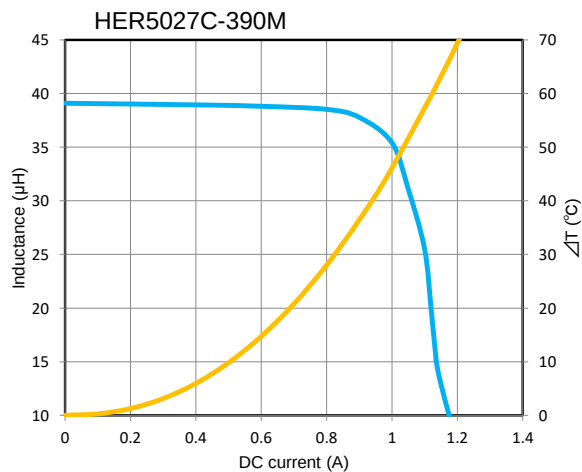
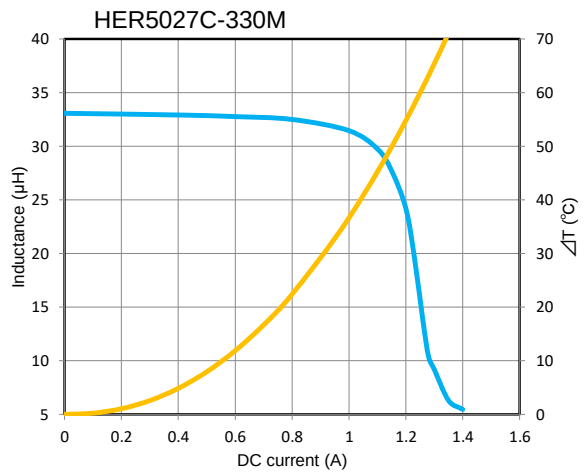
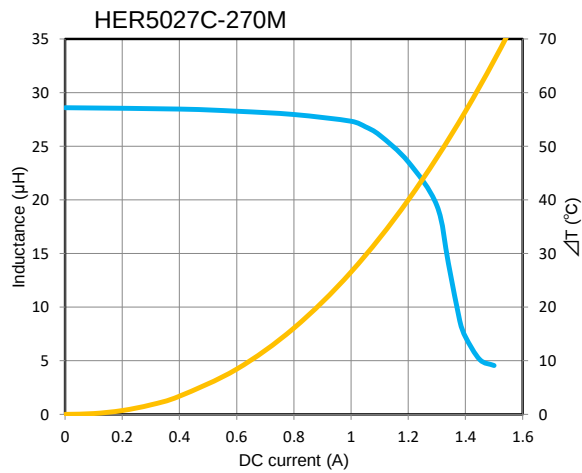
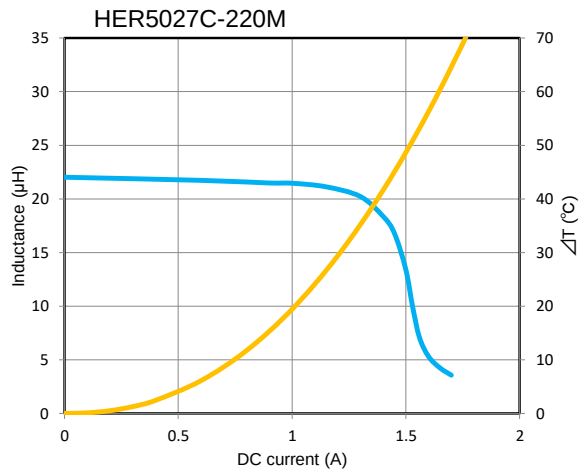
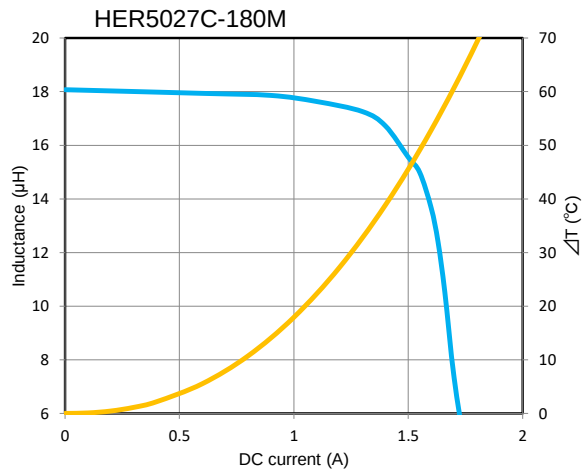
ΔT



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SAGAMI ELEC CO., LTD.

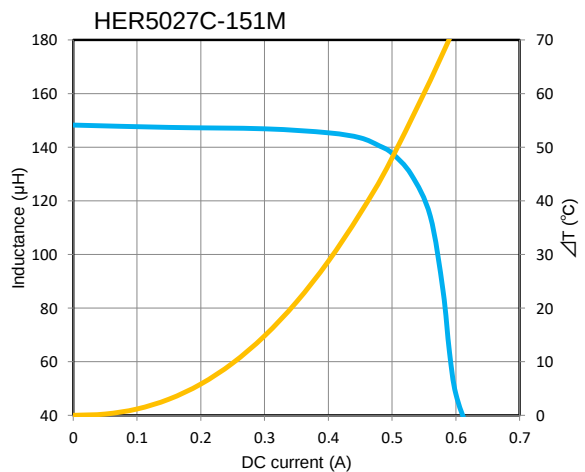
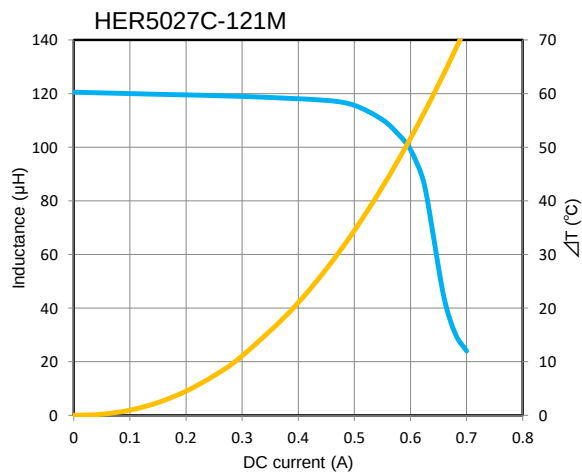
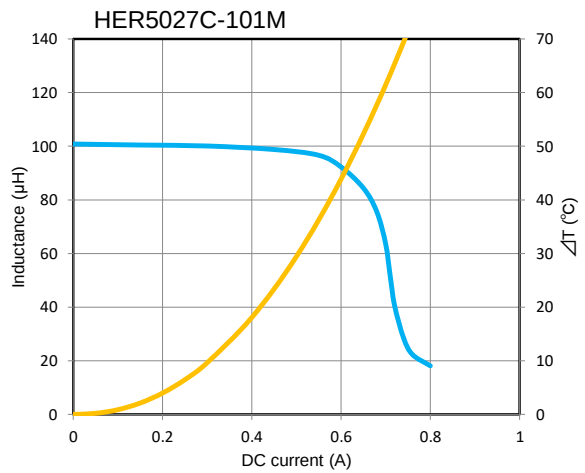
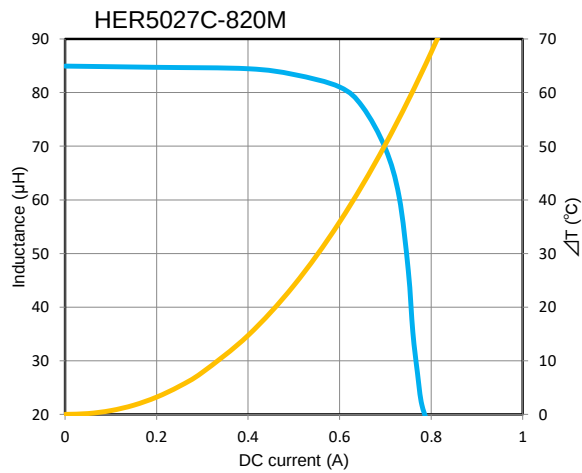
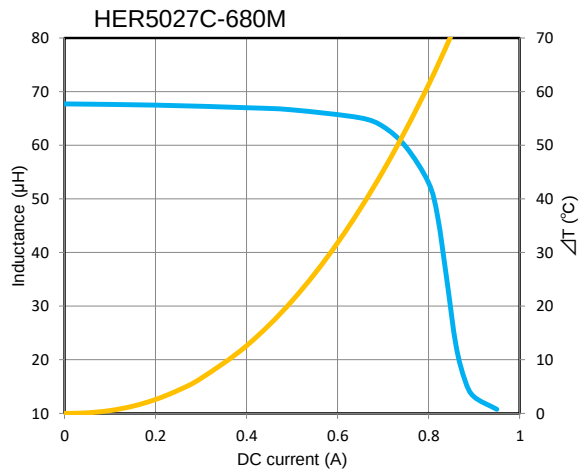
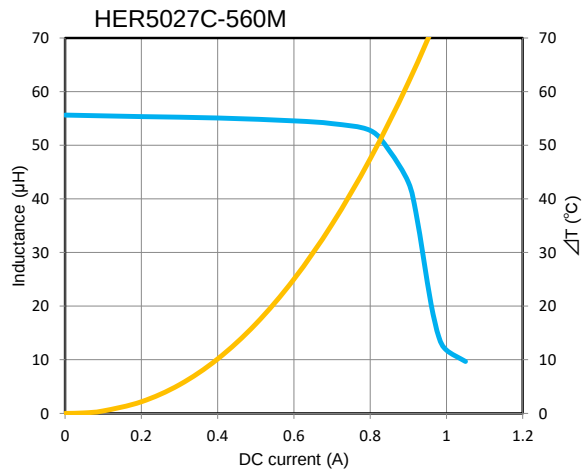
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