

## CJD8050

AEC-Q200



### ■ 特长

- 开磁路结构，大电流规格
- 采用有电极的磁芯，耐弯曲，耐冲击性好的结构
- 最适合作为电源的扼流线圈用
- 符合AEC-Q200
- 工作温度范围：-40℃~+125℃（包含自身发热）

磁路构造：

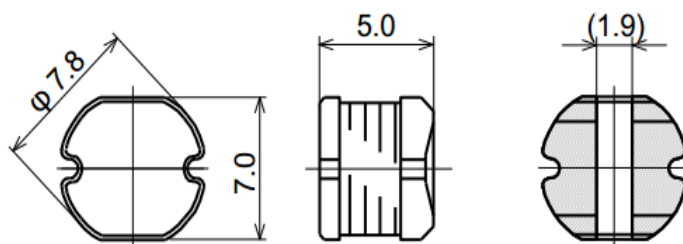


单体重： 0.86 g

### ■ 用途

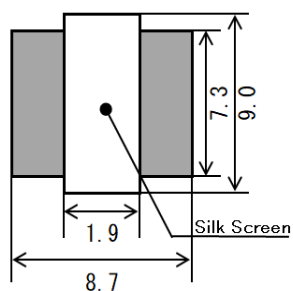
- 音频&映像/照相机
- 电脑/打印机
- 家电/LED照明
- 其他/各种电源, 工业机器

### ■ 外形尺寸



(单位：mm)

### ■ 推荐焊盘



(单位：mm)



相模电机（深圳）有限公司

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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<br>( $\mu$ H) | 直流电阻<br>(m $\Omega$ ) |         | 额定<br>直流电流<br>(A) | 额定温度<br>上升电流<br>(A) |
|--------------|-------------------|-----------------------|---------|-------------------|---------------------|
|              |                   | max.                  | Typical |                   |                     |
| CJD8050-1R3M | 1.3 $\pm$ 20%     | 0.0110                | 0.00860 | 7.70              | 4.90                |
| CJD8050-1R8M | 1.8 $\pm$ 20%     | 0.0130                | 0.0102  | 6.30              | 4.50                |
| CJD8050-2R4M | 2.4 $\pm$ 20%     | 0.0160                | 0.0120  | 5.90              | 4.15                |
| CJD8050-3R0M | 3 $\pm$ 20%       | 0.0180                | 0.0135  | 4.90              | 3.90                |
| CJD8050-3R6M | 3.6 $\pm$ 20%     | 0.0200                | 0.0152  | 4.20              | 3.75                |
| CJD8050-4R3M | 4.3 $\pm$ 20%     | 0.0220                | 0.0171  | 4.00              | 3.60                |
| CJD8050-5R1M | 5.1 $\pm$ 20%     | 0.0250                | 0.0189  | 3.60              | 3.45                |
| CJD8050-6R2M | 6.2 $\pm$ 20%     | 0.0270                | 0.0207  | 3.40              | 3.30                |
| CJD8050-7R5M | 7.5 $\pm$ 20%     | 0.0320                | 0.0245  | 3.15              | 3.10                |
| CJD8050-8R2M | 8.2 $\pm$ 20%     | 0.0350                | 0.0268  | 3.00              | 3.00                |
| CJD8050-100K | 10 $\pm$ 10%      | 0.0440                | 0.0339  | 2.70              | 2.70                |
| CJD8050-120K | 12 $\pm$ 10%      | 0.0520                | 0.0398  | 2.40              | 2.50                |
| CJD8050-150K | 15 $\pm$ 10%      | 0.0650                | 0.0499  | 2.10              | 2.20                |
| CJD8050-180K | 18 $\pm$ 10%      | 0.0840                | 0.0643  | 1.95              | 2.00                |
| CJD8050-220K | 22 $\pm$ 10%      | 0.0940                | 0.0720  | 1.75              | 1.85                |
| CJD8050-270K | 27 $\pm$ 10%      | 0.120                 | 0.0907  | 1.60              | 1.65                |
| CJD8050-330K | 33 $\pm$ 10%      | 0.150                 | 0.111   | 1.45              | 1.45                |
| CJD8050-390K | 39 $\pm$ 10%      | 0.170                 | 0.127   | 1.30              | 1.35                |
| CJD8050-470K | 47 $\pm$ 10%      | 0.190                 | 0.147   | 1.25              | 1.30                |
| CJD8050-560K | 56 $\pm$ 10%      | 0.230                 | 0.173   | 1.20              | 1.20                |
| CJD8050-680K | 68 $\pm$ 10%      | 0.270                 | 0.208   | 1.10              | 1.10                |
| CJD8050-820K | 82 $\pm$ 10%      | 0.330                 | 0.249   | 1.00              | 1.00                |
| CJD8050-101K | 100 $\pm$ 10%     | 0.400                 | 0.305   | 0.900             | 0.930               |
| CJD8050-121K | 120 $\pm$ 10%     | 0.480                 | 0.369   | 0.850             | 0.840               |
| CJD8050-151K | 150 $\pm$ 10%     | 0.610                 | 0.470   | 0.700             | 0.750               |
| CJD8050-181K | 180 $\pm$ 10%     | 0.700                 | 0.532   | 0.600             | 0.700               |
| CJD8050-221K | 220 $\pm$ 10%     | 0.860                 | 0.660   | 0.520             | 0.650               |
| CJD8050-271K | 270 $\pm$ 10%     | 1.07                  | 0.817   | 0.500             | 0.550               |
| CJD8050-331K | 330 $\pm$ 10%     | 1.30                  | 0.993   | 0.450             | 0.500               |
| CJD8050-391K | 390 $\pm$ 10%     | 1.53                  | 1.17    | 0.440             | 0.470               |
| CJD8050-471K | 470 $\pm$ 10%     | 1.84                  | 1.41    | 0.420             | 0.430               |
| CJD8050-561K | 560 $\pm$ 10%     | 2.06                  | 1.58    | 0.390             | 0.400               |
| CJD8050-681K | 680 $\pm$ 10%     | 2.53                  | 1.95    | 0.340             | 0.350               |
| CJD8050-821K | 820 $\pm$ 10%     | 3.29                  | 2.53    | 0.320             | 0.330               |
| CJD8050-102K | 1000 $\pm$ 10%    | 3.90                  | 3.00    | 0.290             | 0.300               |
| CJD8050-122K | 1200 $\pm$ 10%    | 4.86                  | 3.73    | 0.260             | 0.270               |
| CJD8050-152K | 1500 $\pm$ 10%    | 6.39                  | 4.91    | 0.230             | 0.230               |
| CJD8050-182K | 1800 $\pm$ 10%    | 7.07                  | 5.43    | 0.210             | 0.210               |
| CJD8050-222K | 2200 $\pm$ 10%    | 9.25                  | 7.10    | 0.190             | 0.190               |
| CJD8050-272K | 2700 $\pm$ 10%    | 10.7                  | 8.20    | 0.170             | 0.170               |
| CJD8050-332K | 3300 $\pm$ 10%    | 14.0                  | 10.8    | 0.150             | 0.150               |
| CJD8050-392K | 3900 $\pm$ 10%    | 15.8                  | 12.1    | 0.130             | 0.140               |
| CJD8050-472K | 4700 $\pm$ 10%    | 20.5                  | 15.7    | 0.120             | 0.130               |
| CJD8050-562K | 5600 $\pm$ 10%    | 23.2                  | 17.8    | 0.110             | 0.120               |
| CJD8050-682K | 6800 $\pm$ 10%    | 26.2                  | 20.1    | 0.100             | 0.110               |

电感量测试条件: 1kHz, 1V

直流饱和容许电流: 电感值下降至初始值的10%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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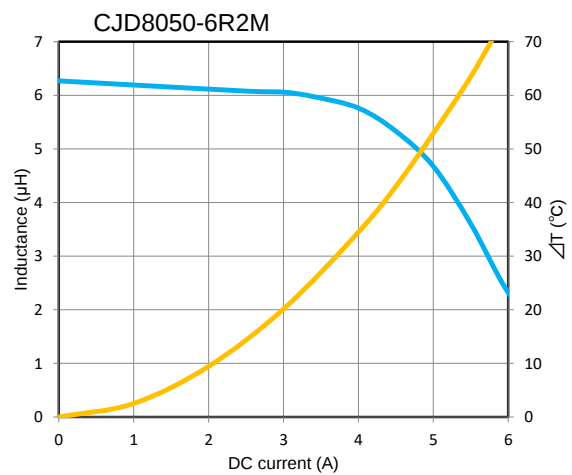
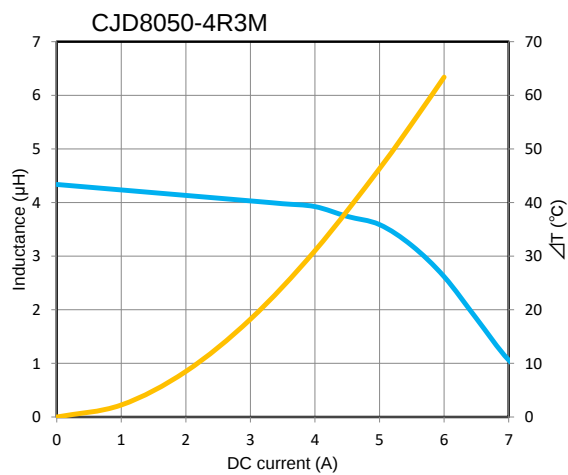
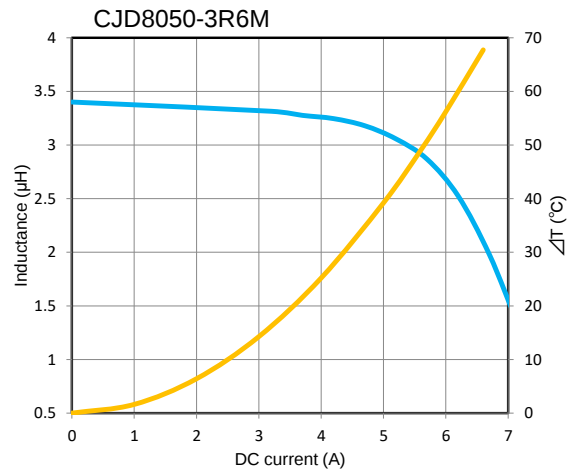
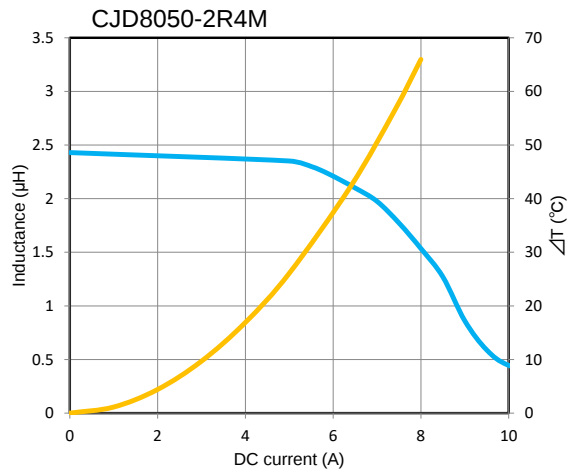
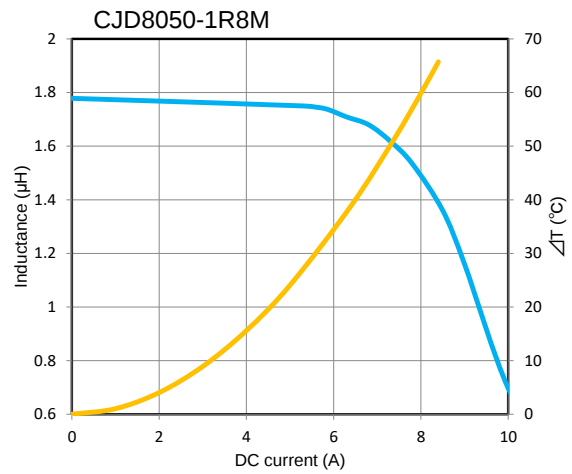
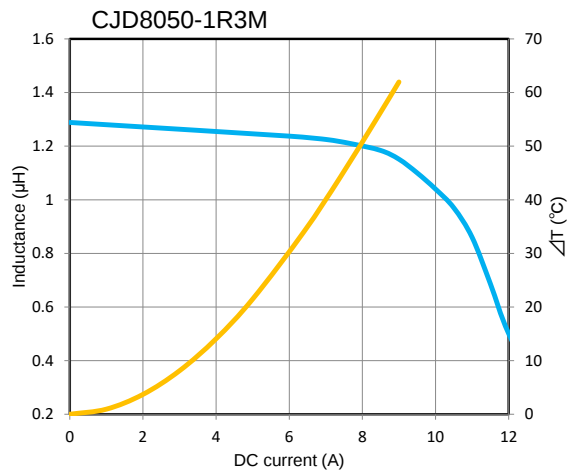
# DC bias characteristics vs Temperature Rise Graph



L(25°C)



$\Delta T$



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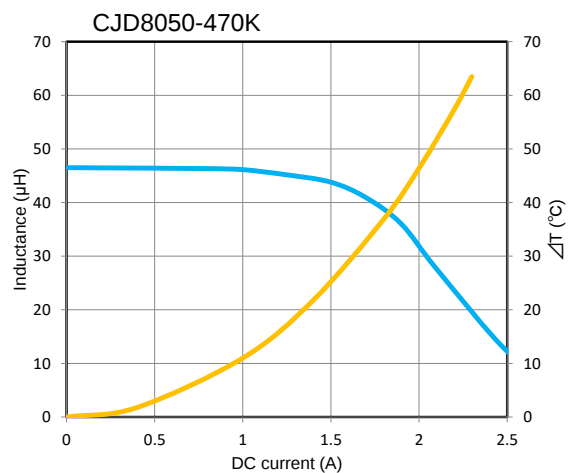
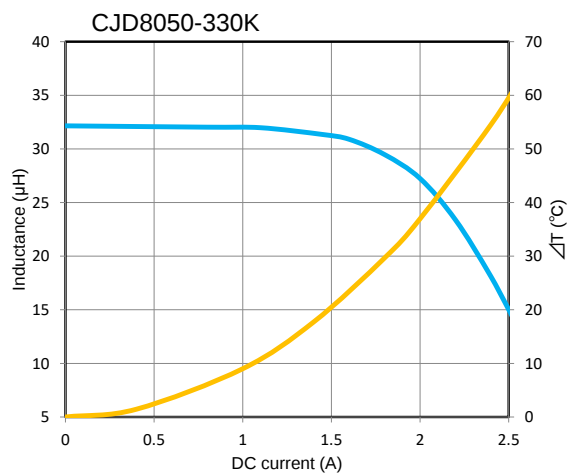
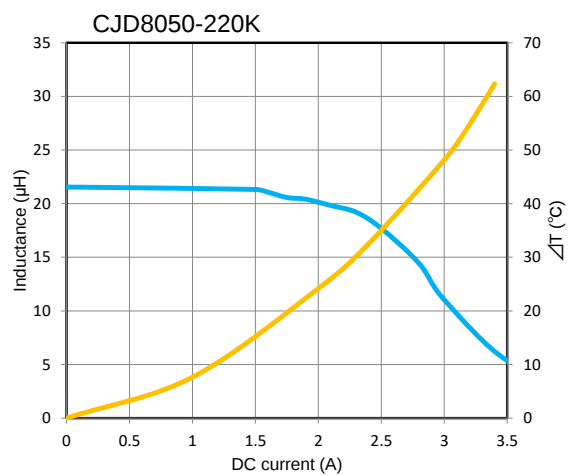
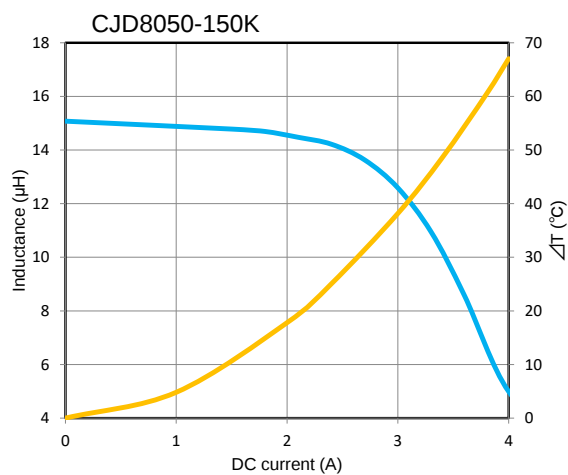
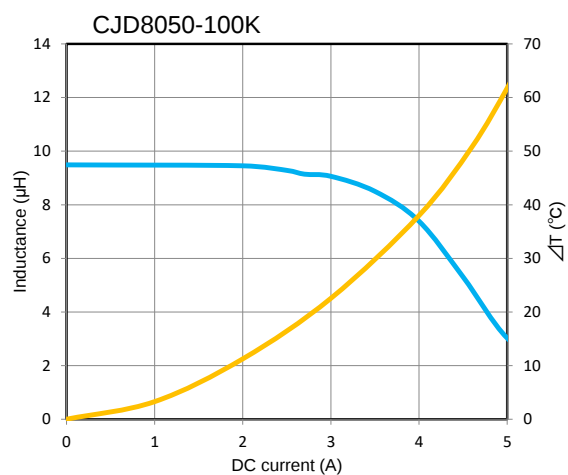
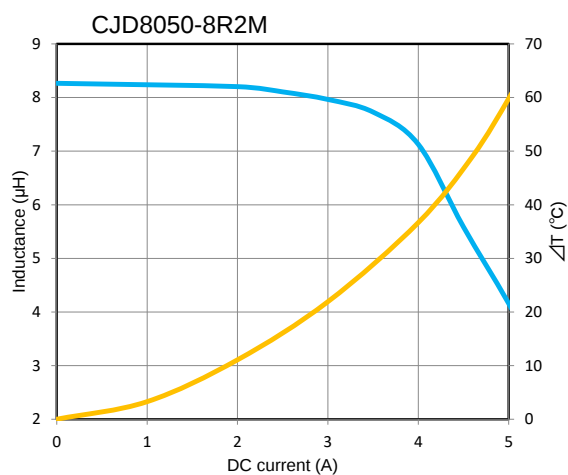
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L(25°C)



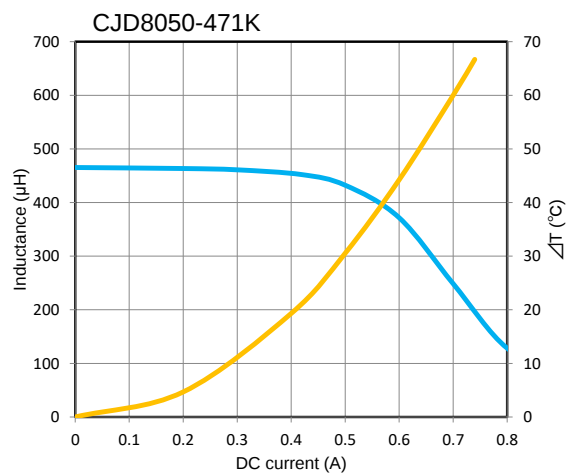
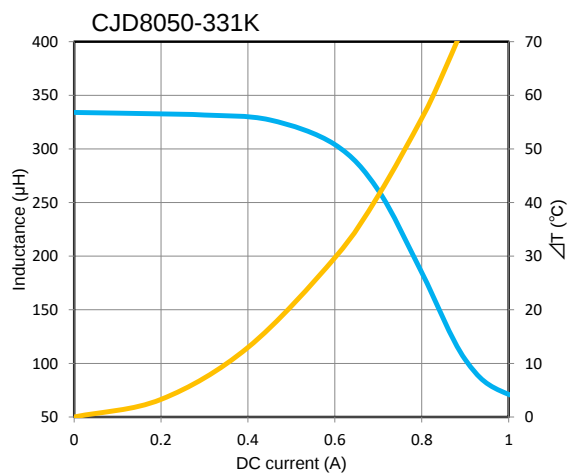
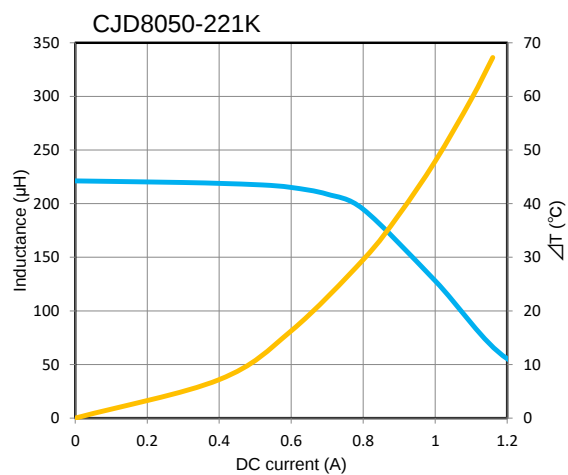
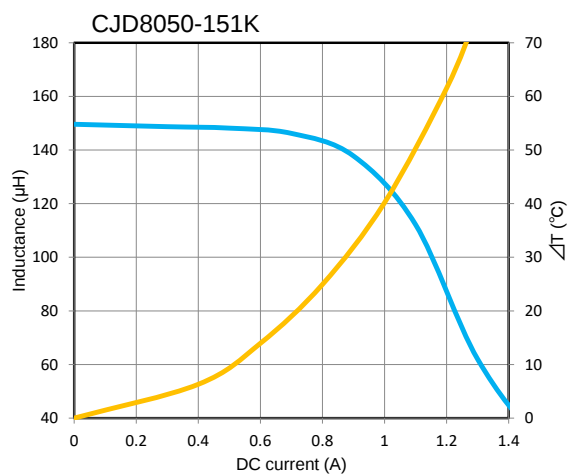
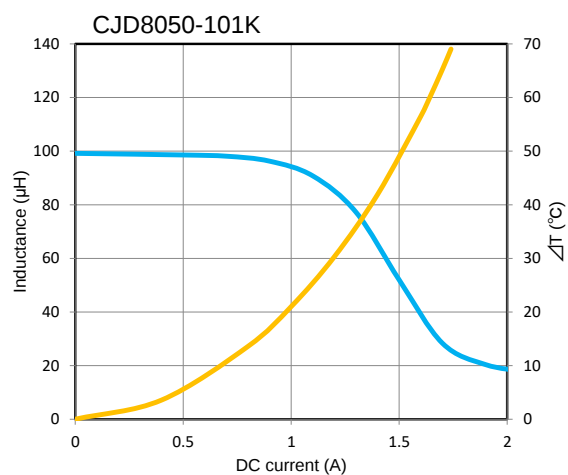
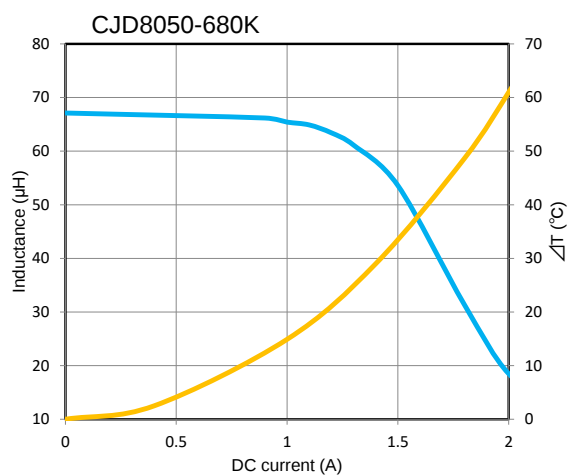
$\Delta T$



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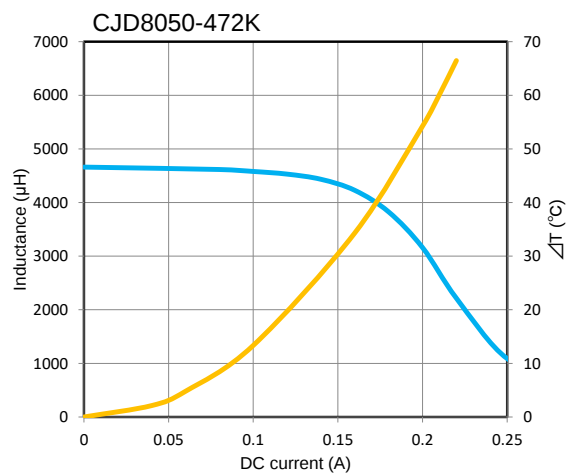
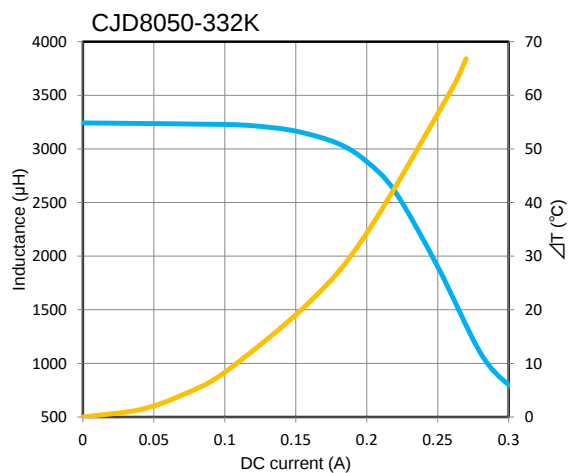
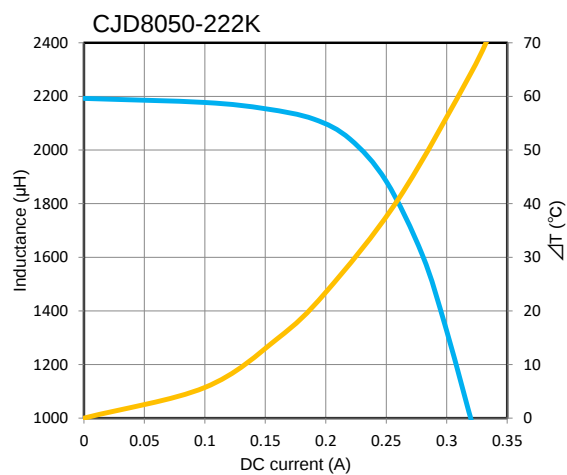
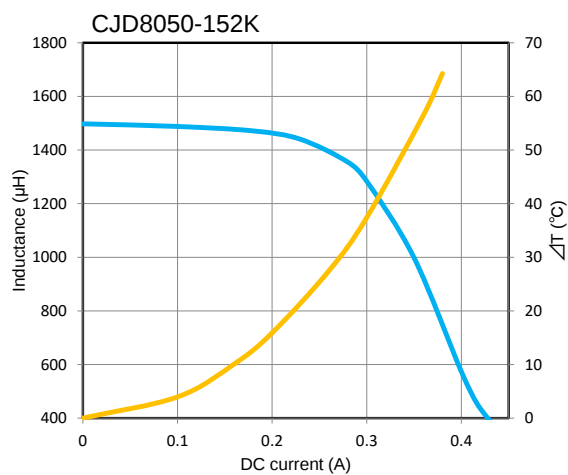
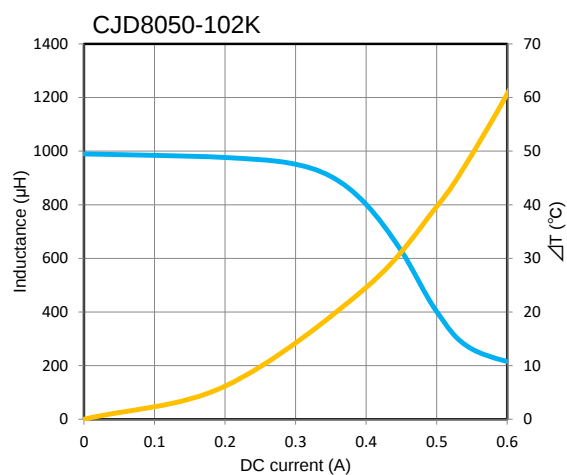
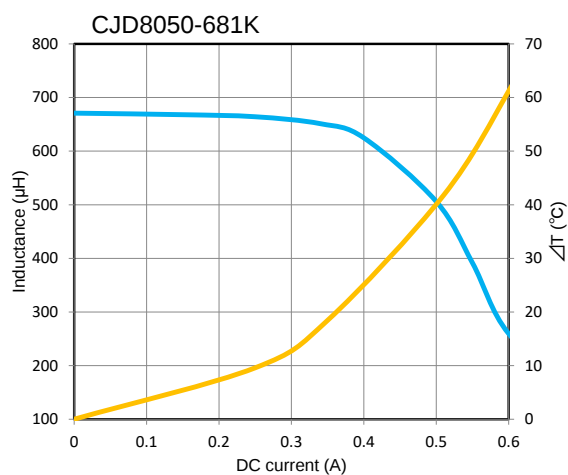
# DC bias characteristics vs Temperature Rise Graph

■  $L(25^{\circ}\text{C})$       ■  $\Delta T$



# DC bias characteristics vs Temperature Rise Graph

■  $L(25^{\circ}\text{C})$       ■  $\Delta T$



## DC bias characteristics vs Temperature Rise Graph

