CJD8050

AEC-Q200

■ Features

- Magnetically unshielded structure, high current.
- High reliability in deflection and shock resistance metalized elextrode.
- Suitable for power supply choke coil.
- AEC-Q200 compliant
- Operating temperature：-40℃～+125℃(The self-heating is included)

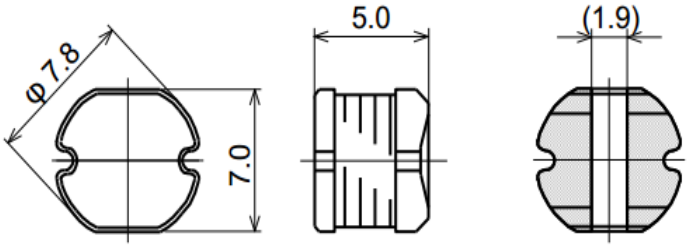
Magnetic structure：

Weight： 0.86 g

■ Applications

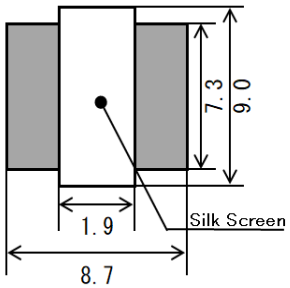
- Audio Visual/Camera
- Computer & Peripheral Device/Printer(MFP)
- Home Electronics/LED Lights
- Others/Power Supply,FA

■ Dimensions



(Unit：mm)

■ Recommended Land Pattern



(Unit：mm)

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Engineering Dept. TEL : +81 45 521 4543

■ Specifications

SAGAMI Part No.	Inductance (μH)	DCR (mΩ)		DC Saturation Allowable Current (A)	Temperature Rise Allowable Current (A)
		max.	Typical		
CJD8050-1R3M	1.3±20%	0.0110	0.00860	7.70	4.90
CJD8050-1R8M	1.8±20%	0.0130	0.0102	6.30	4.50
CJD8050-2R4M	2.4±20%	0.0160	0.0120	5.90	4.15
CJD8050-3R0M	3±20%	0.0180	0.0135	4.90	3.90
CJD8050-3R6M	3.6±20%	0.0200	0.0152	4.20	3.75
CJD8050-4R3M	4.3±20%	0.0220	0.0171	4.00	3.60
CJD8050-5R1M	5.1±20%	0.0250	0.0189	3.60	3.45
CJD8050-6R2M	6.2±20%	0.0270	0.0207	3.40	3.30
CJD8050-7R5M	7.5±20%	0.0320	0.0245	3.15	3.10
CJD8050-8R2M	8.2±20%	0.0350	0.0268	3.00	3.00
CJD8050-100K	10±10%	0.0440	0.0339	2.70	2.70
CJD8050-120K	12±10%	0.0520	0.0398	2.40	2.50
CJD8050-150K	15±10%	0.0650	0.0499	2.10	2.20
CJD8050-180K	18±10%	0.0840	0.0643	1.95	2.00
CJD8050-220K	22±10%	0.0940	0.0720	1.75	1.85
CJD8050-270K	27±10%	0.120	0.0907	1.60	1.65
CJD8050-330K	33±10%	0.150	0.111	1.45	1.45
CJD8050-390K	39±10%	0.170	0.127	1.30	1.35
CJD8050-470K	47±10%	0.190	0.147	1.25	1.30
CJD8050-560K	56±10%	0.230	0.173	1.20	1.20
CJD8050-680K	68±10%	0.270	0.208	1.10	1.10
CJD8050-820K	82±10%	0.330	0.249	1.00	1.00
CJD8050-101K	100±10%	0.400	0.305	0.900	0.930
CJD8050-121K	120±10%	0.480	0.369	0.850	0.840
CJD8050-151K	150±10%	0.610	0.470	0.700	0.750
CJD8050-181K	180±10%	0.700	0.532	0.600	0.700
CJD8050-221K	220±10%	0.860	0.660	0.520	0.650
CJD8050-271K	270±10%	1.07	0.817	0.500	0.550
CJD8050-331K	330±10%	1.30	0.993	0.450	0.500
CJD8050-391K	390±10%	1.53	1.17	0.440	0.470
CJD8050-471K	470±10%	1.84	1.41	0.420	0.430
CJD8050-561K	560±10%	2.06	1.58	0.390	0.400
CJD8050-681K	680±10%	2.53	1.95	0.340	0.350
CJD8050-821K	820±10%	3.29	2.53	0.320	0.330
CJD8050-102K	1000±10%	3.90	3.00	0.290	0.300
CJD8050-122K	1200±10%	4.86	3.73	0.260	0.270
CJD8050-152K	1500±10%	6.39	4.91	0.230	0.230
CJD8050-182K	1800±10%	7.07	5.43	0.210	0.210
CJD8050-222K	2200±10%	9.25	7.10	0.190	0.190
CJD8050-272K	2700±10%	10.7	8.20	0.170	0.170
CJD8050-332K	3300±10%	14.0	10.8	0.150	0.150
CJD8050-392K	3900±10%	15.8	12.1	0.130	0.140
CJD8050-472K	4700±10%	20.5	15.7	0.120	0.130
CJD8050-562K	5600±10%	23.2	17.8	0.110	0.120
CJD8050-682K	6800±10%	26.2	20.1	0.100	0.110

Inductance Measuring Condition:1kHz,1V

DC saturation allowable current:The current value which inductance decrease within 10% from the initial value

Temperature rise allowable current:The rise in temperature of core surface is within 40℃

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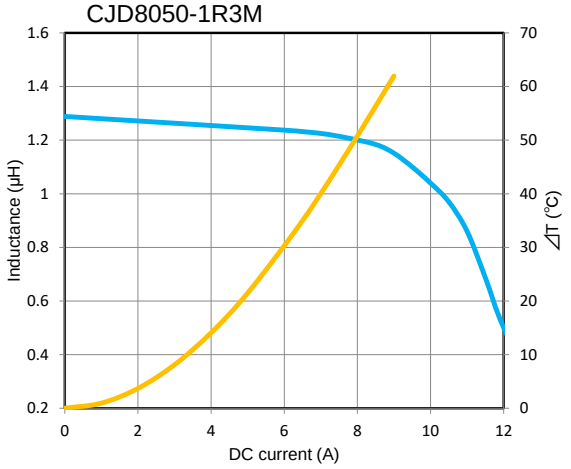
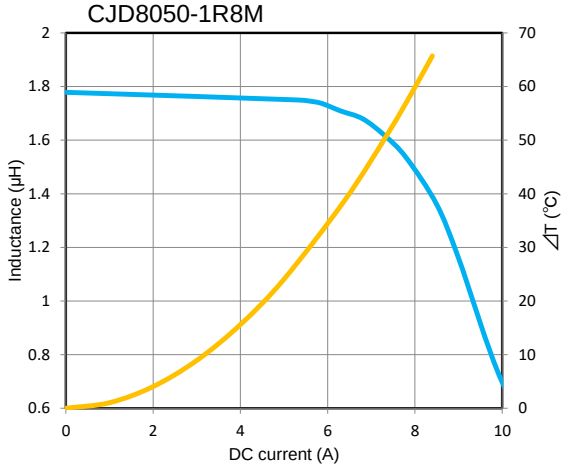
DC bias characteristics vs Temperature Rise Graph

L(25°C)　　⊿T

CJD8050-1R3M



CJD8050-1R8M



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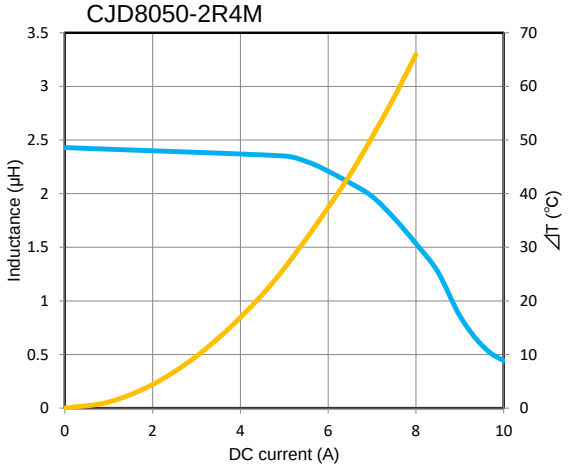

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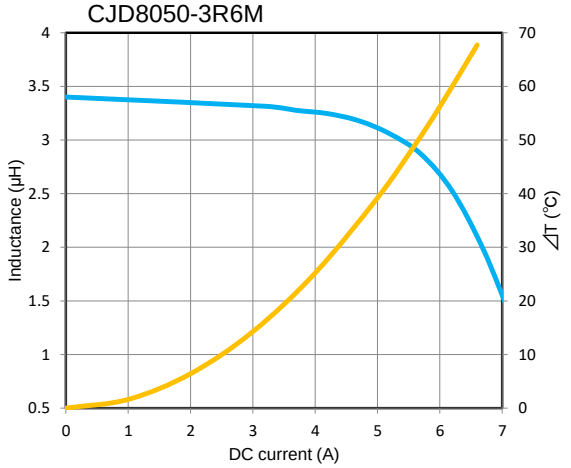

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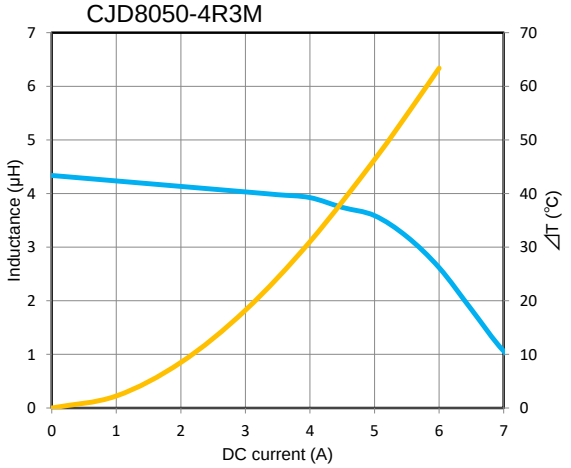

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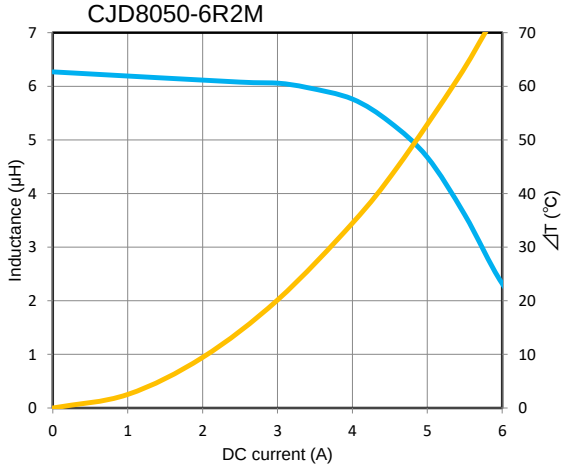
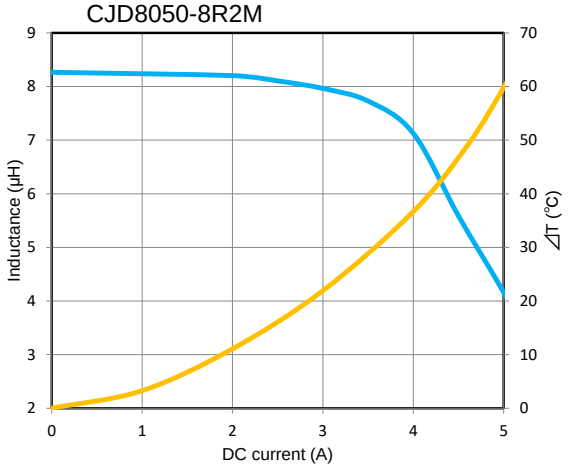


DC bias characteristics vs Temperature Rise Graph

L(25°C) ⊿T

CJD8050-8R2M



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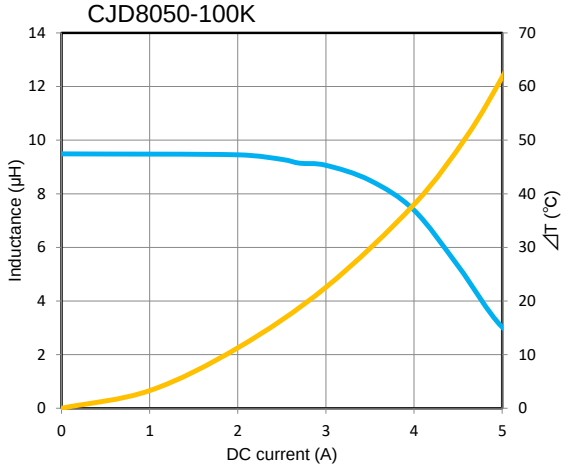

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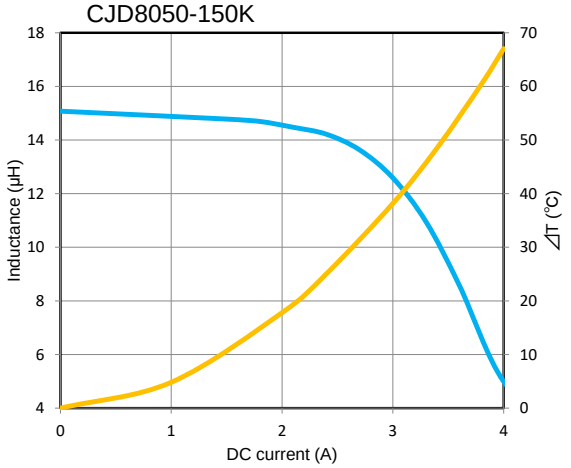

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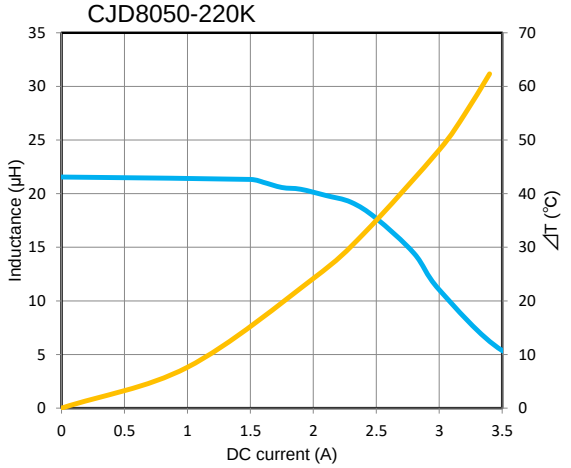

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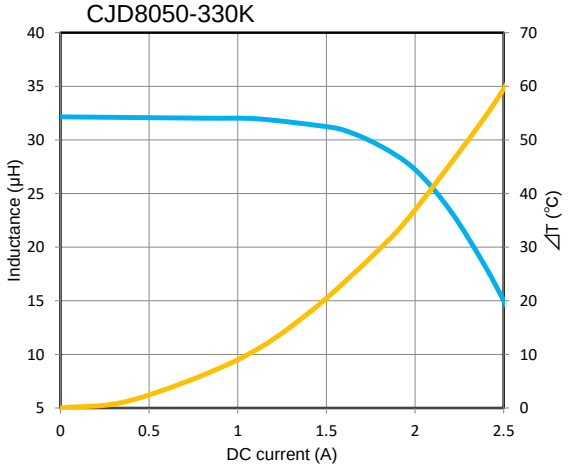

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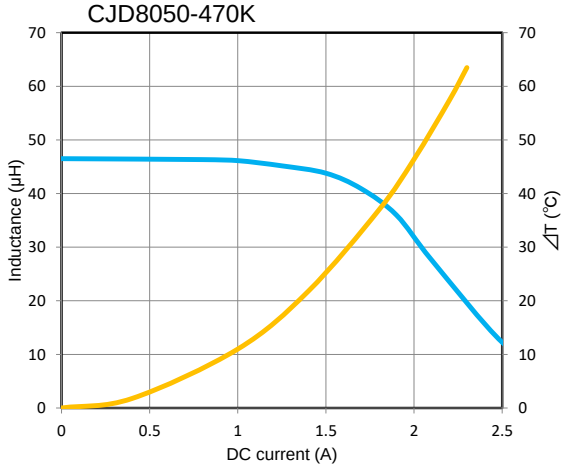
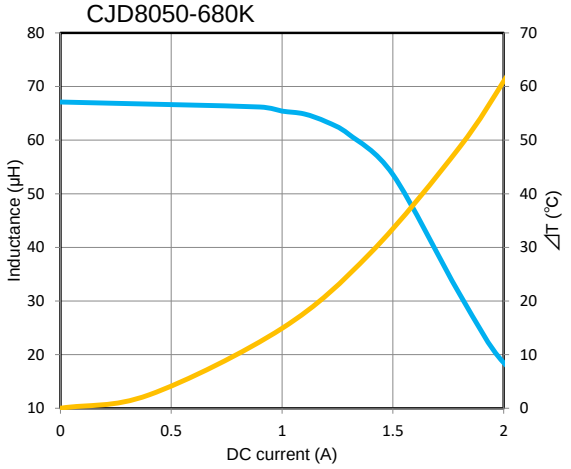


DC bias characteristics vs Temperature Rise Graph

L(25°C)　　⊿T

CJD8050-680K



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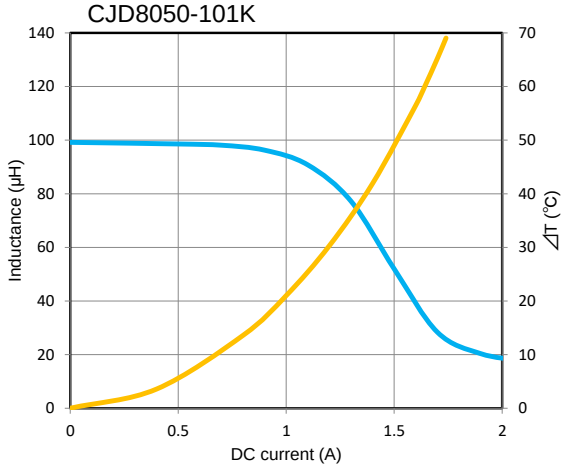

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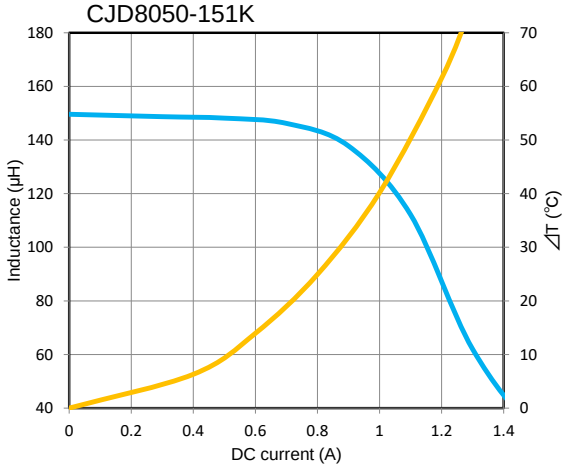

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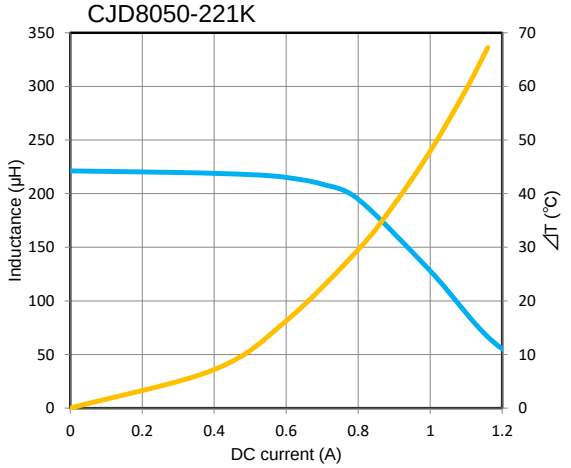

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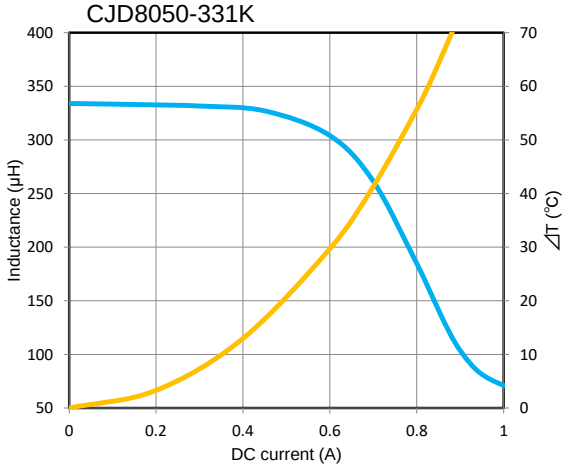

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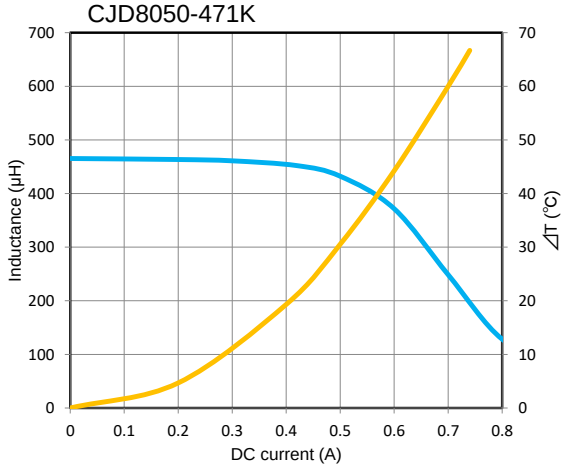
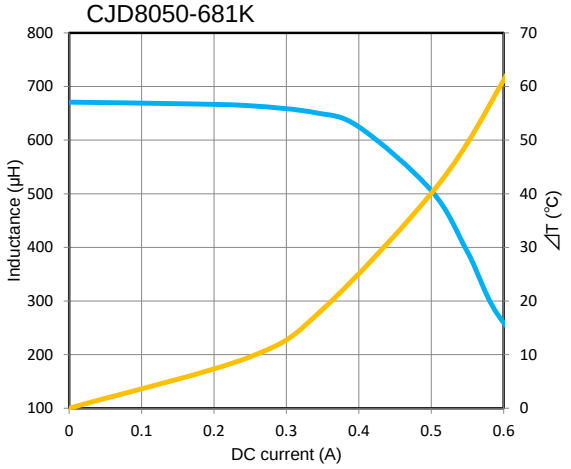


DC bias characteristics vs Temperature Rise Graph

L(25°C)　　⊿T

CJD8050-681K



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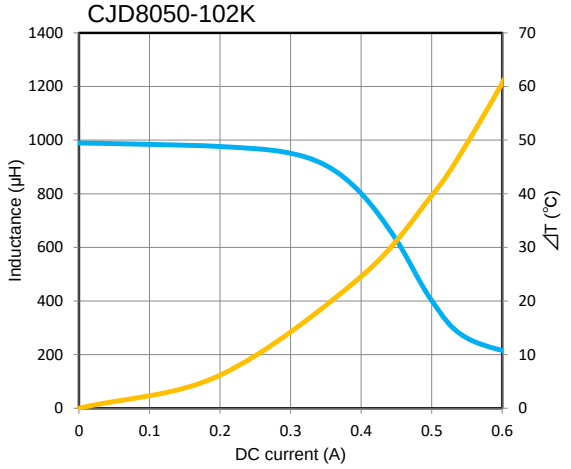

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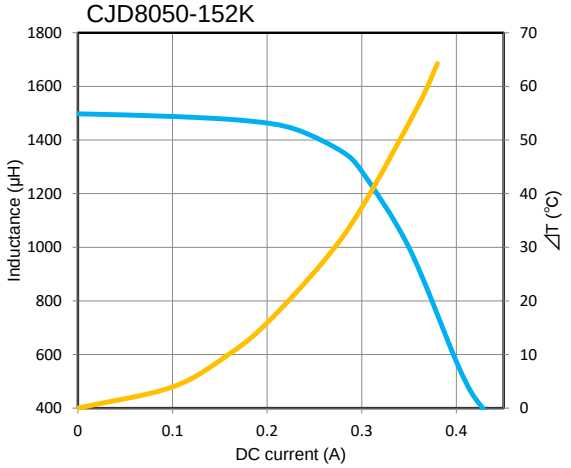

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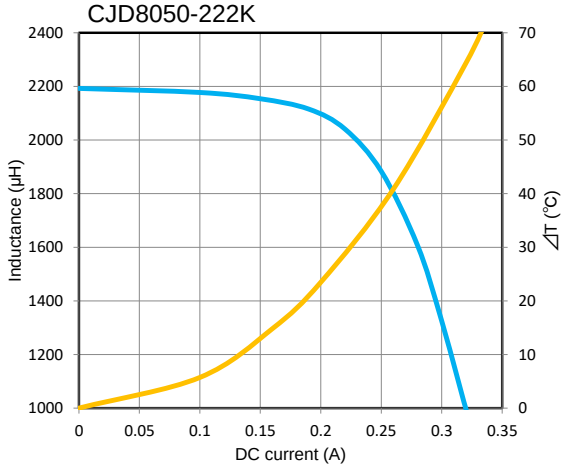

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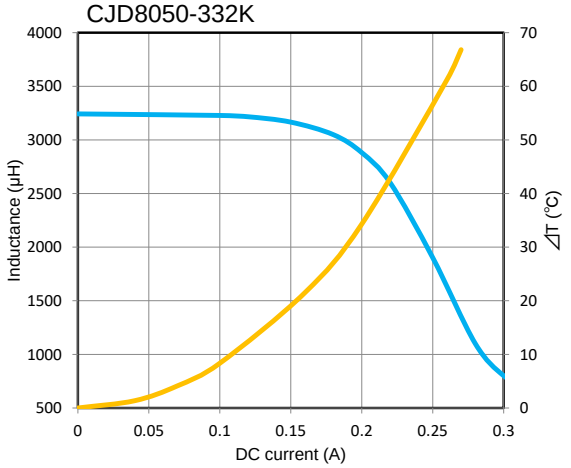

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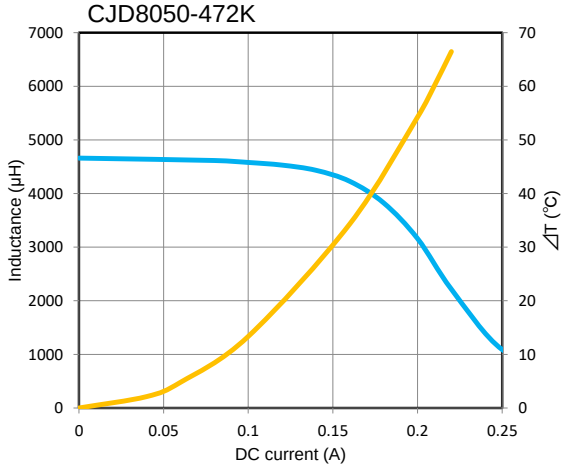

DC bias characteristics vs Temperature Rise Graph

L(25°C)　　⊿T