

CJD6045

AEC-Q200



■ Features

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

Magnetic structure :

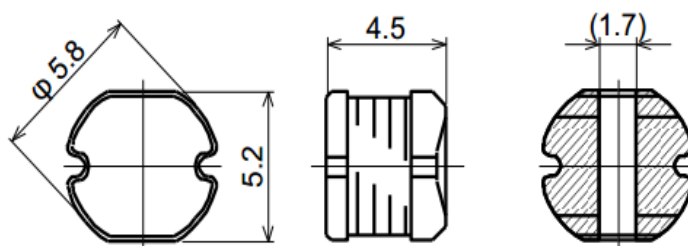


Weight : 0.45 g

■ Applications

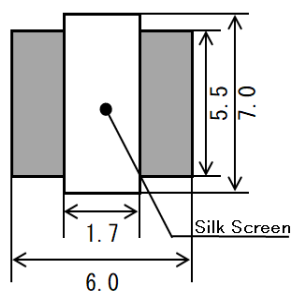
- Audio Visual/Camera
- Computer & Peripheral Device/Printer(MFP)
- Home Electronics/LED Lights
- Others/Power Supply,FA

■ Dimensions



(Unit : mm)

■ Recommended Land Pattern



(Unit : mm)



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<https://www.sagami-elec.co.jp>

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■ Specifications

SAGAMI Part No.	Inductance (μH)	DCR (mΩ)		DC Saturation Allowable Current (A)	Temperature Rise Allowable Current (A)
		max.	Typical		
CJD6045-1R2M	1.2±20%	0.0170	0.0130	4.50	3.90
CJD6045-1R6M	1.6±20%	0.0190	0.0150	4.00	3.50
CJD6045-2R0M	2±20%	0.0220	0.0170	3.70	3.10
CJD6045-2R7M	2.7±20%	0.0250	0.0200	3.30	2.90
CJD6045-3R0M	3±20%	0.0280	0.0210	3.00	2.80
CJD6045-3R6M	3.6±20%	0.0310	0.0240	2.70	2.60
CJD6045-4R3M	4.3±20%	0.0350	0.0270	2.50	2.50
CJD6045-5R1M	5.1±20%	0.0380	0.0290	2.35	2.45
CJD6045-5R6M	5.6±20%	0.0420	0.0320	2.25	2.40
CJD6045-6R2M	6.2±20%	0.0460	0.0350	2.05	2.30
CJD6045-7R5M	7.5±20%	0.0480	0.0370	1.95	2.20
CJD6045-8R2M	8.2±20%	0.0570	0.0440	1.90	2.00
CJD6045-9R1M	9.1±20%	0.0600	0.0470	1.75	1.95
CJD6045-100L	10±15%	0.0710	0.0550	1.65	1.75
CJD6045-120L	12±15%	0.0760	0.0580	1.60	1.70
CJD6045-150L	15±15%	0.0920	0.0710	1.30	1.55
CJD6045-180L	18±15%	0.110	0.0850	1.25	1.45
CJD6045-220K	22±10%	0.130	0.100	1.10	1.30
CJD6045-270K	27±10%	0.170	0.130	1.00	1.15
CJD6045-330K	33±10%	0.210	0.160	0.950	1.05
CJD6045-390K	39±10%	0.250	0.190	0.860	0.970
CJD6045-470K	47±10%	0.280	0.210	0.750	0.900
CJD6045-560K	56±10%	0.340	0.260	0.700	0.800
CJD6045-680K	68±10%	0.400	0.320	0.650	0.700
CJD6045-820K	82±10%	0.500	0.390	0.600	0.650
CJD6045-101K	100±10%	0.600	0.460	0.550	0.600
CJD6045-121K	120±10%	0.720	0.560	0.480	0.550
CJD6045-151K	150±10%	0.850	0.660	0.450	0.500
CJD6045-181K	180±10%	1.05	0.800	0.400	0.450
CJD6045-221K	220±10%	1.25	0.970	0.350	0.400
CJD6045-271K	270±10%	1.65	1.27	0.300	0.350
CJD6045-331K	330±10%	2.05	1.57	0.270	0.320
CJD6045-391K	390±10%	2.30	1.77	0.250	0.300
CJD6045-471K	470±10%	2.65	2.04	0.230	0.290
CJD6045-561K	560±10%	3.20	2.51	0.190	0.270
CJD6045-681K	680±10%	4.30	3.31	0.180	0.220
CJD6045-821K	820±10%	4.85	3.75	0.170	0.210
CJD6045-102K	1000±10%	5.60	4.32	0.140	0.200
CJD6045-122K	1200±10%	6.30	4.89	0.130	0.190
CJD6045-152K	1500±10%	8.55	6.57	0.120	0.160
CJD6045-182K	1800±10%	10.0	7.68	0.115	0.155
CJD6045-222K	2200±10%	11.2	8.62	0.110	0.150
CJD6045-272K	2700±10%	15.6	12.0	0.100	0.130
CJD6045-332K	3300±10%	16.8	12.8	0.0850	0.120

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℃



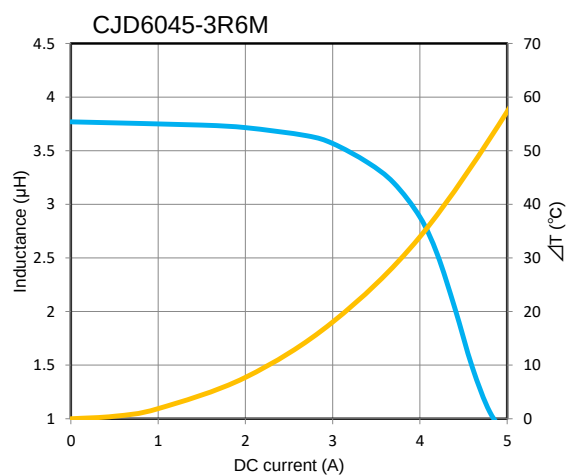
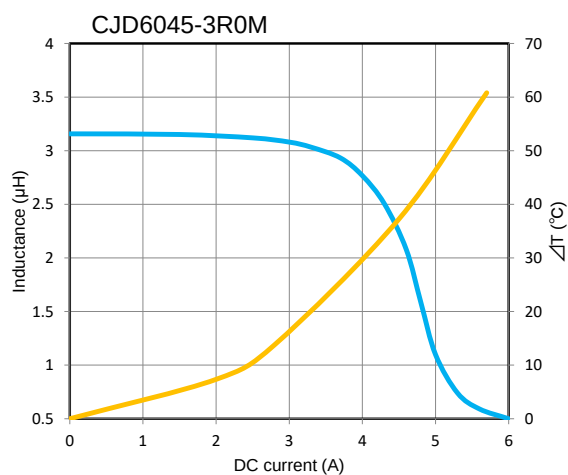
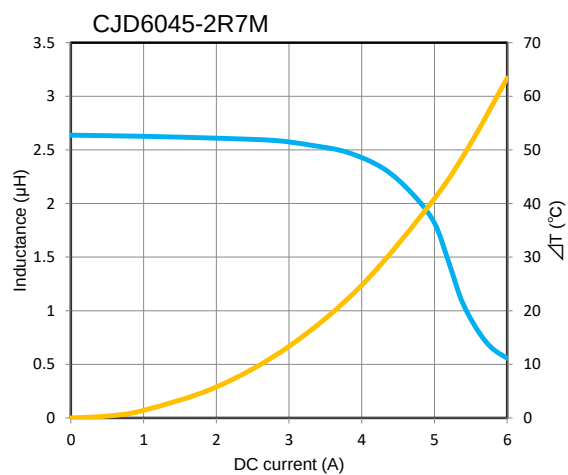
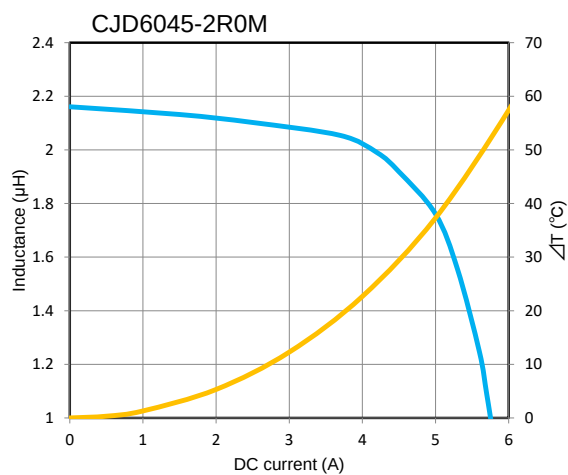
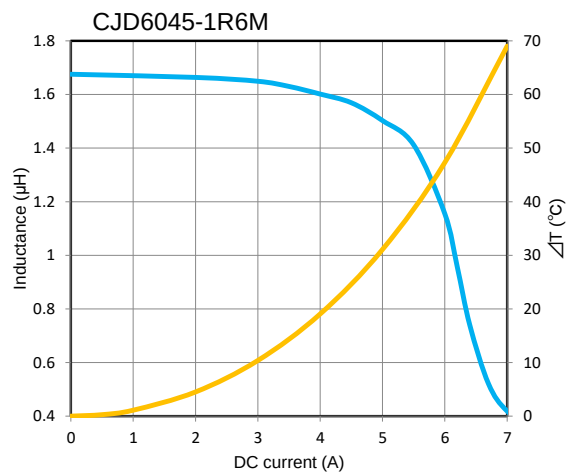
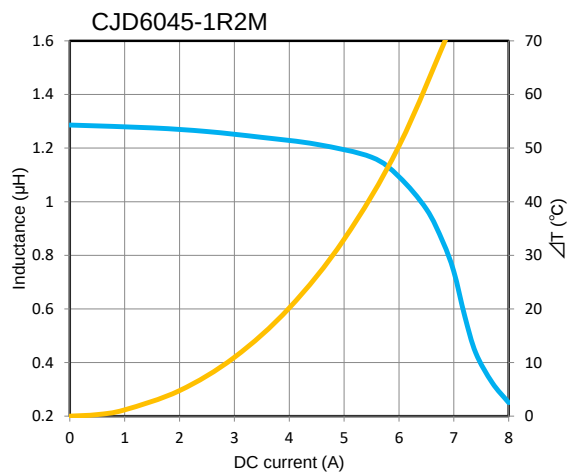
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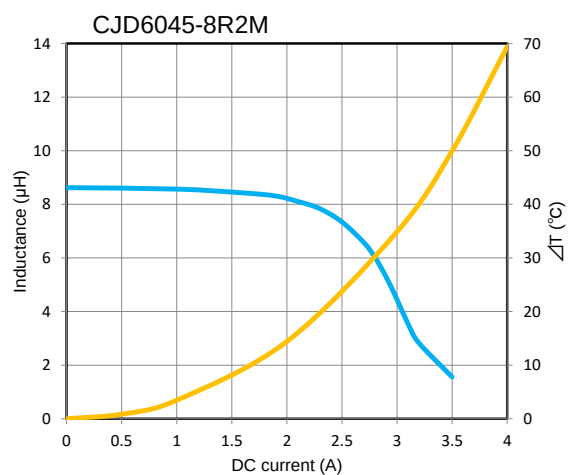
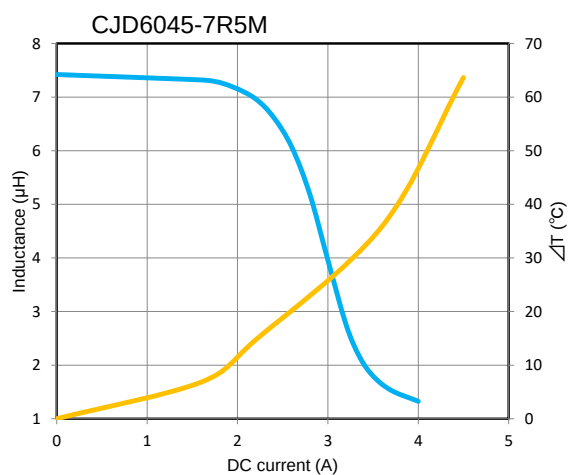
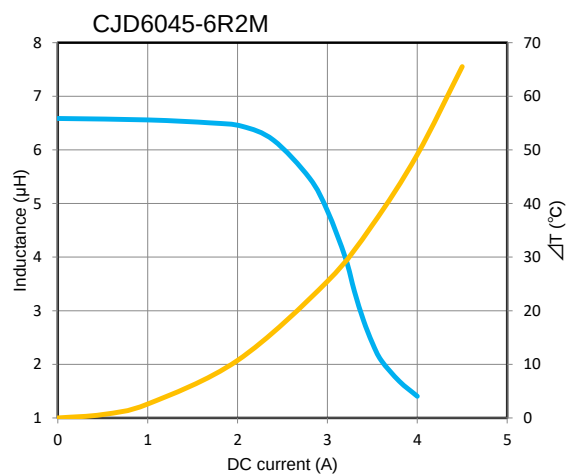
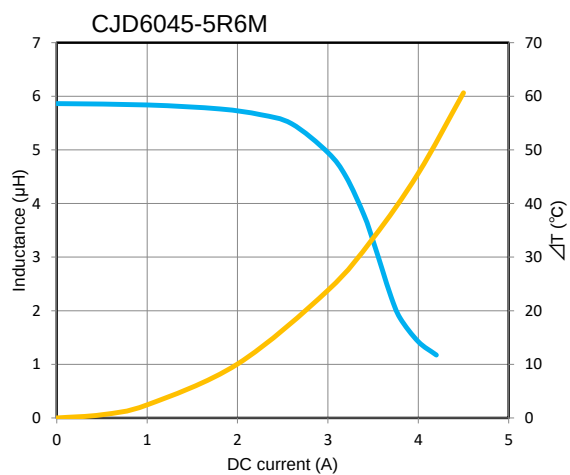
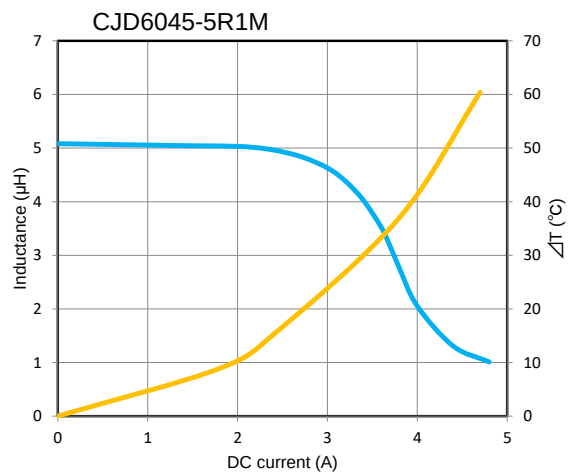
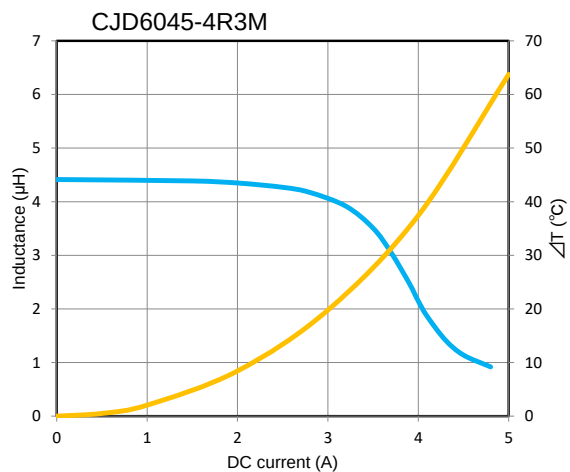
DC bias characteristics vs Temperature Rise Graph

■ L(25°C) ■ ΔT



DC bias characteristics vs Temperature Rise Graph

— $L(25^{\circ}\text{C})$
— ΔT



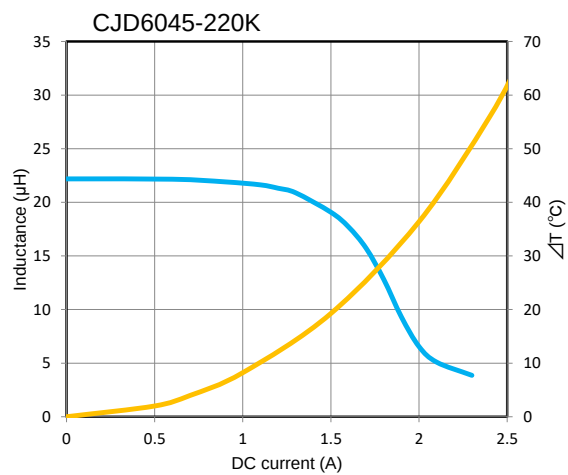
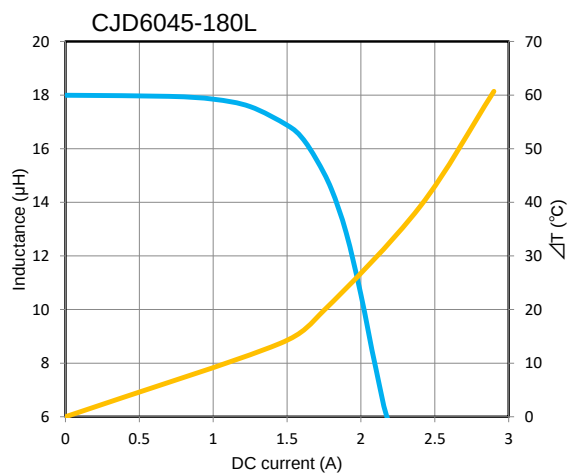
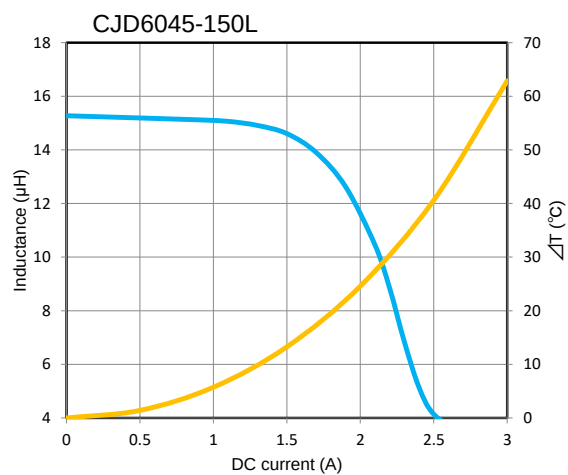
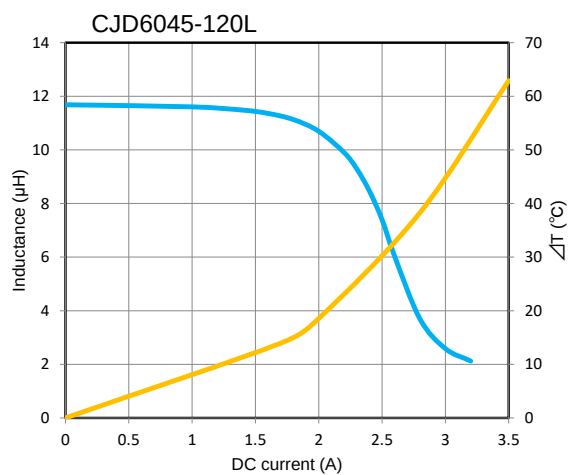
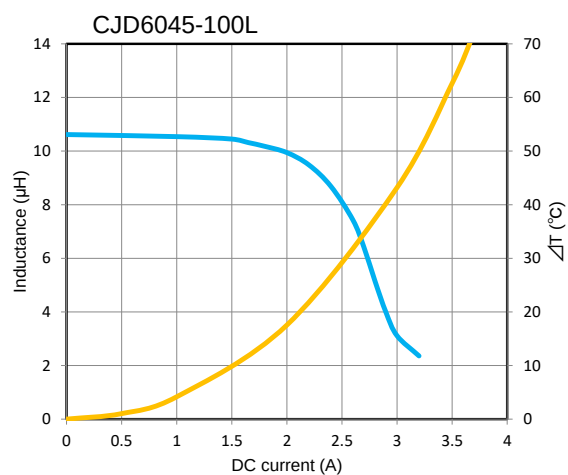
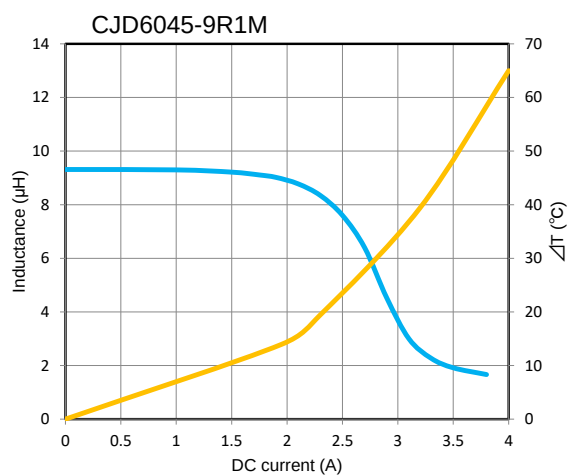
DC bias characteristics vs Temperature Rise Graph



L(25°C)



ΔT



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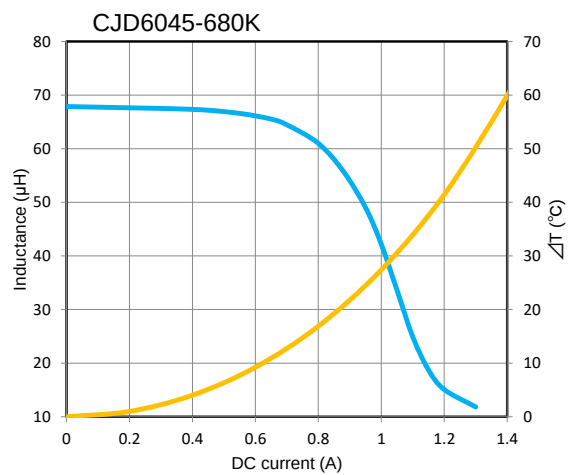
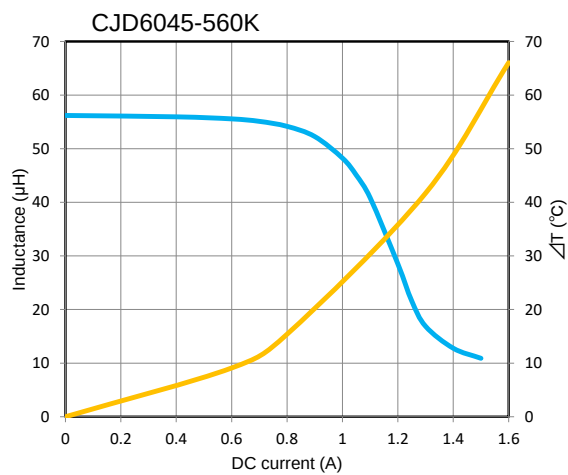
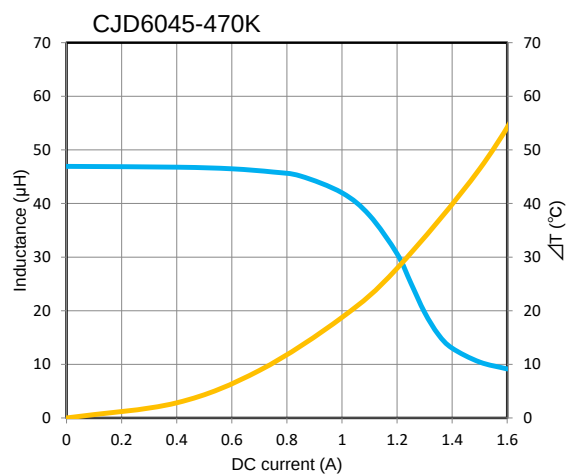
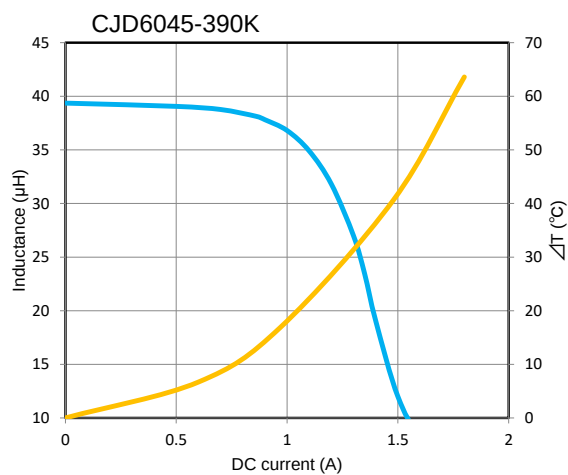
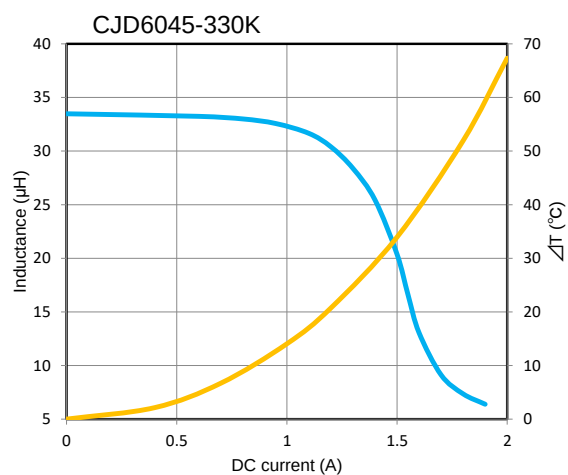
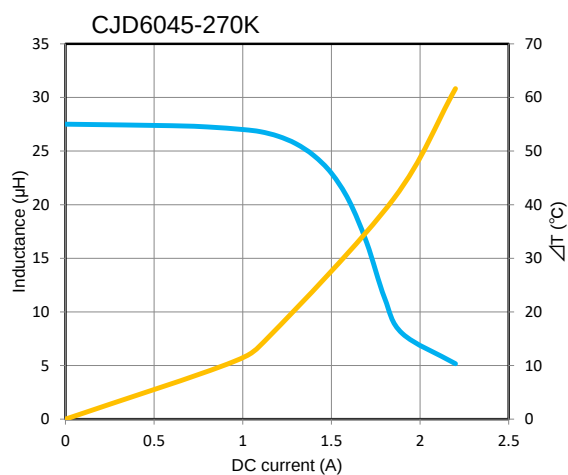
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L(25°C)



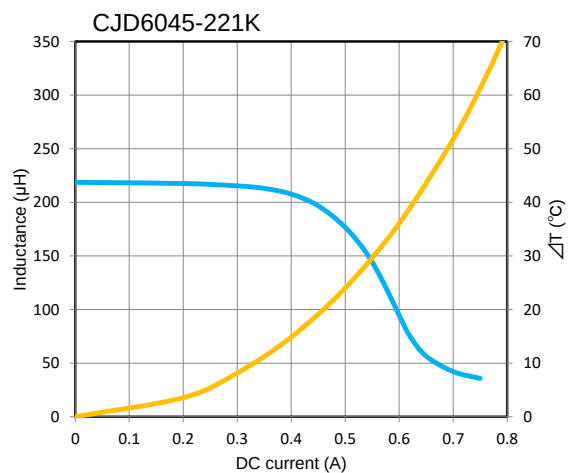
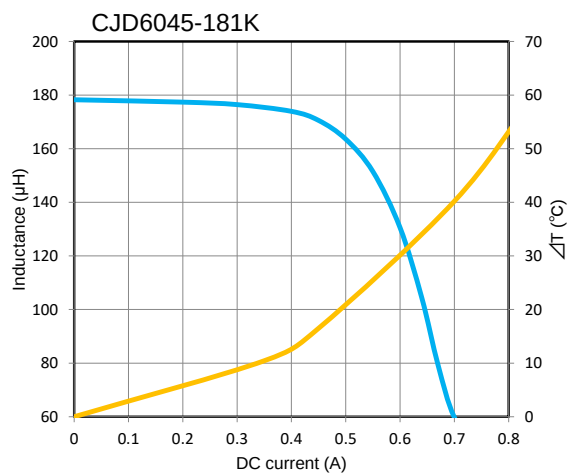
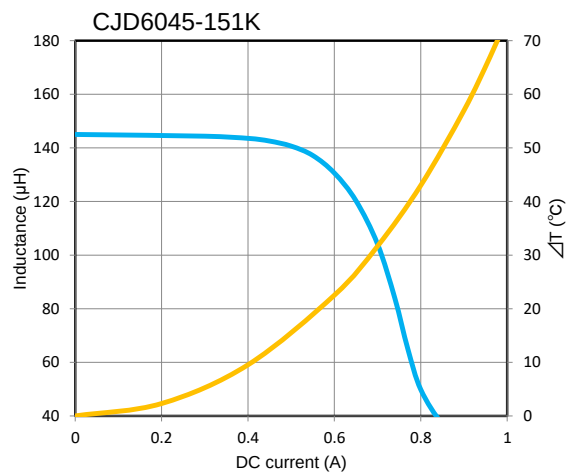
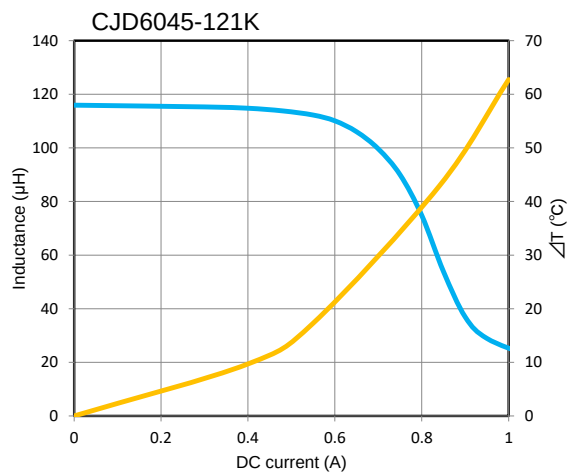
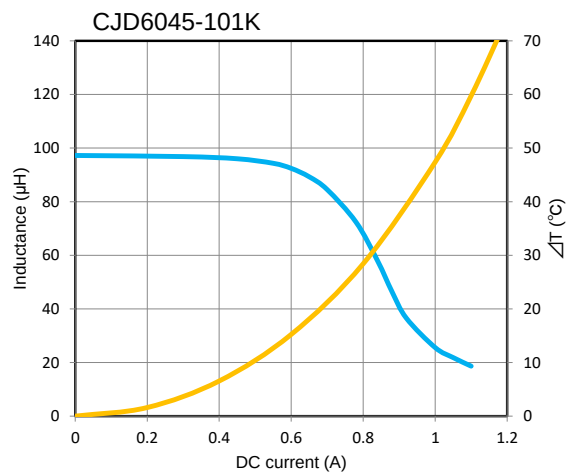
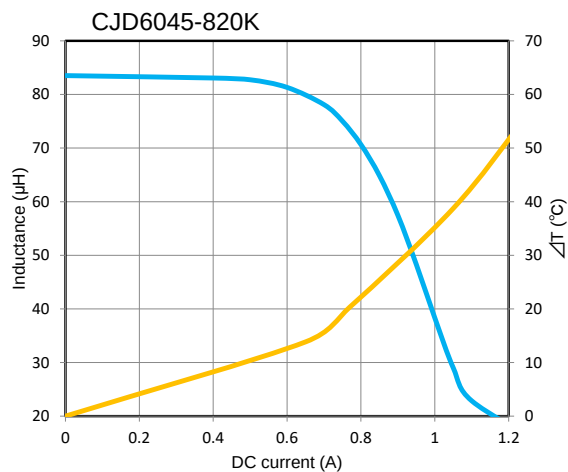
ΔT



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DC bias characteristics vs Temperature Rise Graph

— L(25°C)
 — ΔT



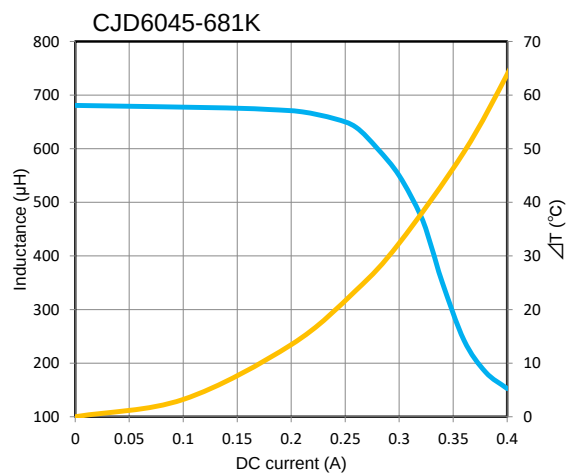
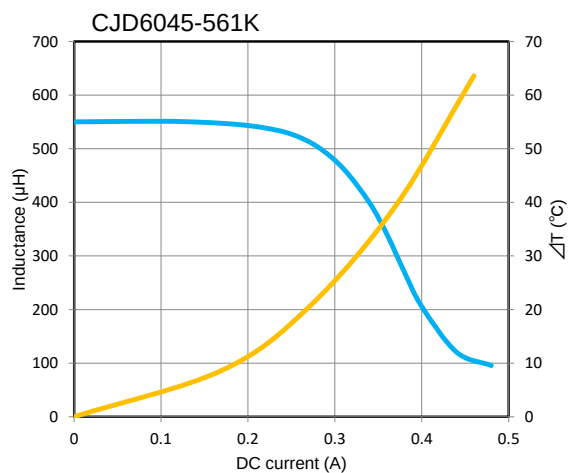
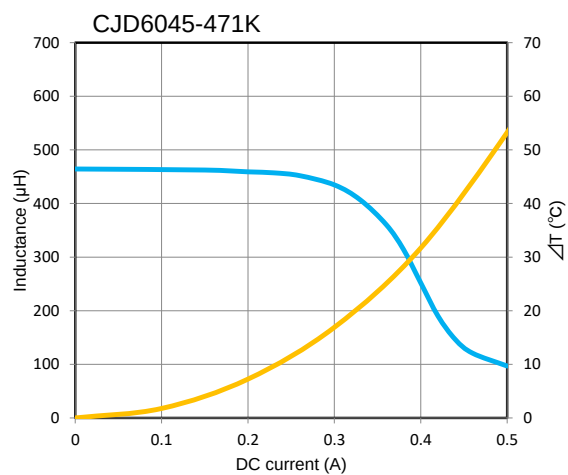
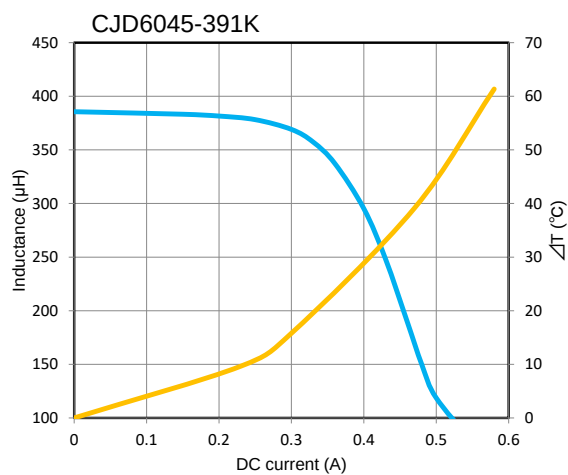
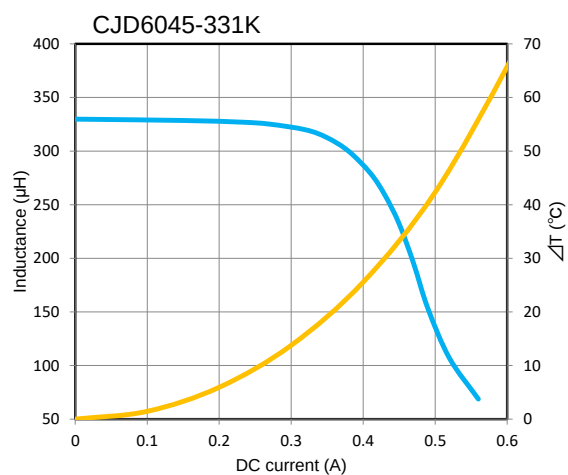
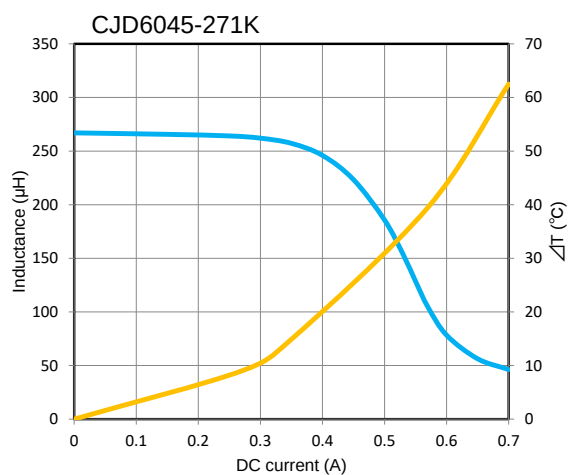
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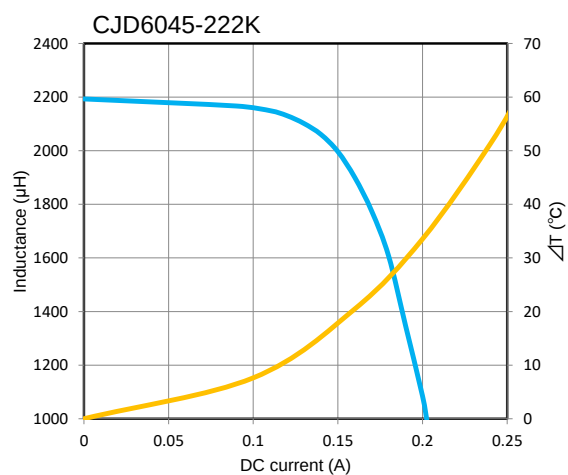
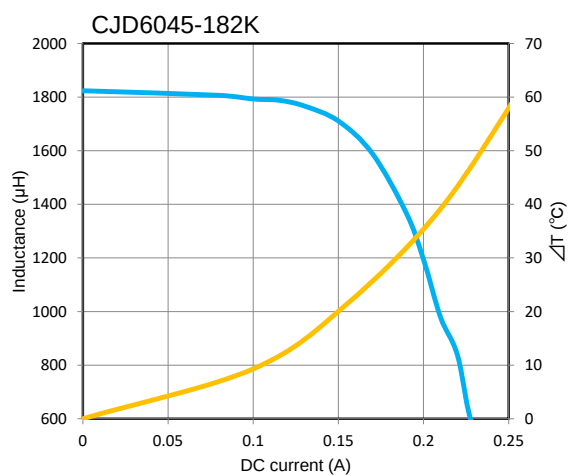
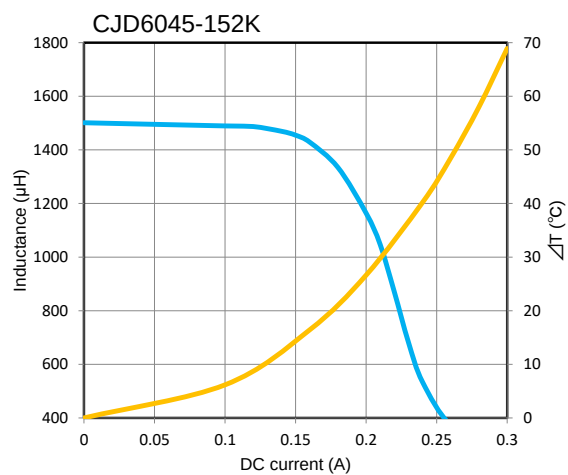
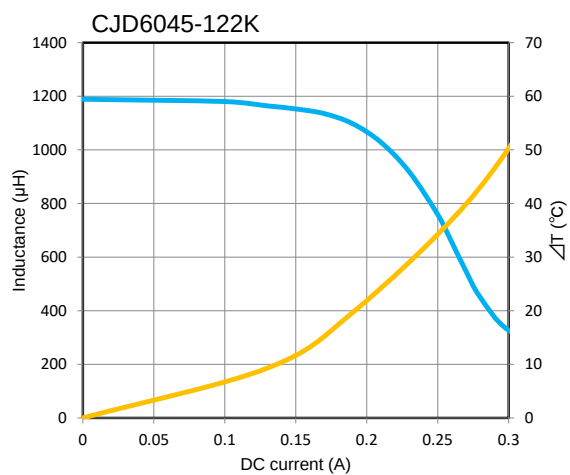
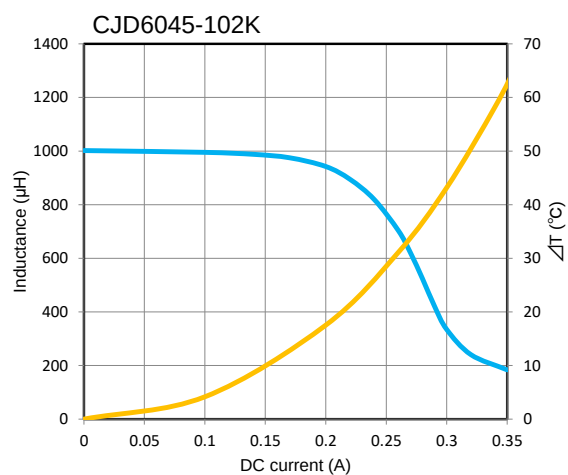
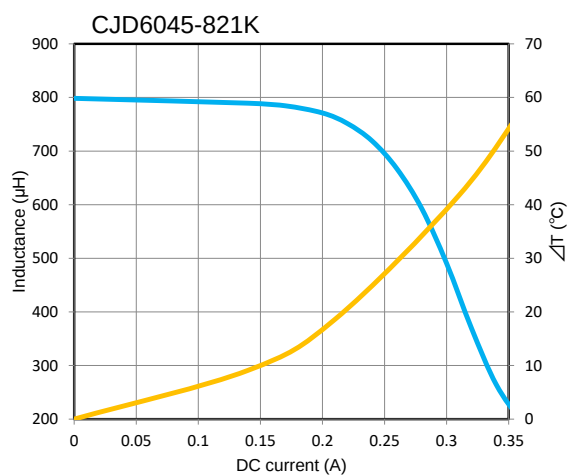
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DC bias characteristics vs Temperature Rise Graph

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DC bias characteristics vs Temperature Rise Graph

■ L(25°C) ■ ΔT

