CER7052B

■ Features

- Cost competitive shielded type inductor
- SMD magnetic shielded type of power inductor
- Suitable for power supply choke coil
- Construction for high current
- Operating temperature：-40℃～+125℃(The self-heating is included)

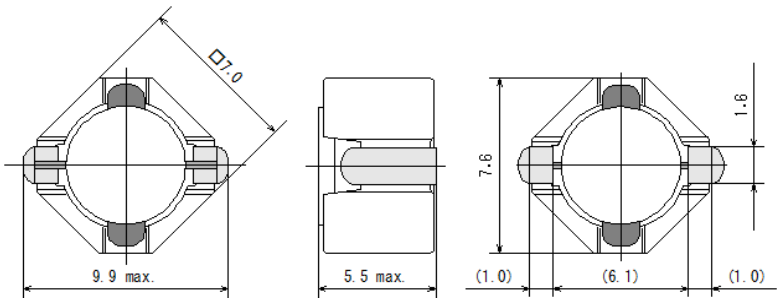
Magnetic structure：

Weight： 0.89 g

■ Applications

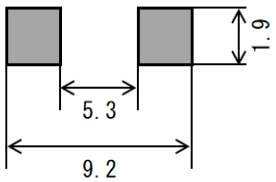
- Audio Visual/Camera,Recorder,TV and Monitor,Mini System, AV Amplifier, for Professionals
- Computer & Peripheral Device/Industorial Machines,Computer,Printer(MFP)
- Home Electronics/LED Lights
- Others/Medical,Energy,Power Supply,Transceivers,FA

■ Dimensions



(Unit：mm)

■ Recommended Land Pattern



(Unit：mm)

SAGAMI ELEC CO., LTD.
https://www.sagami-elec.co.jp
10-30, Ichibashimo-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0024, Japan
Over Seas Sales Dept. TEL : +81 45 511 3141, E-mail : ossg@sagami-elec.co.jp
Engineering Dept. TEL : +81 45 521 4543

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■ Specifications

SAGAMI Part No.	Inductance (μH)	DCR (Ω) ±30%	DC Saturation Allowable Current (A)		Temperature Rise Allowable Current (A)	
			Typical	Spec	Typical	Spec
CER7052B-1R2N	1.2±30%	0.0090	9.50	6.70	6.20	4.60
CER7052B-1R8N	1.8±30%	0.0100	8.05	5.80	5.90	4.20
CER7052B-2R2N	2.2±30%	0.0120	7.00	4.95	5.50	4.00
CER7052B-3R0N	3±30%	0.0130	6.10	4.30	5.10	3.80
CER7052B-3R6N	3.6±30%	0.0150	5.50	3.90	4.80	3.60
CER7052B-4R3N	4.3±30%	0.0160	4.95	3.45	4.55	3.30
CER7052B-5R1N	5.1±30%	0.0180	4.65	3.30	4.30	3.10
CER7052B-6R2N	6.2±30%	0.0200	4.20	3.00	4.15	2.95
CER7052B-7R5N	7.5±30%	0.0210	3.90	2.80	3.95	2.80
CER7052B-8R2N	8.2±30%	0.0260	3.55	2.55	3.60	2.60
CER7052B-100M	10±20%	0.0320	3.40	2.40	3.30	2.40
CER7052B-120M	12±20%	0.0410	3.00	2.15	2.85	2.05
CER7052B-150M	15±20%	0.0470	2.70	1.90	2.65	1.90
CER7052B-180M	18±20%	0.0590	2.45	1.75	2.40	1.75
CER7052B-220M	22±20%	0.0720	2.20	1.55	2.10	1.55
CER7052B-270M	27±20%	0.0870	1.95	1.40	1.90	1.40
CER7052B-330M	33±20%	0.100	1.80	1.30	1.75	1.30
CER7052B-390M	39±20%	0.120	1.60	1.15	1.60	1.15
CER7052B-470M	47±20%	0.150	1.50	1.10	1.45	1.05
CER7052B-560M	56±20%	0.180	1.40	1.00	1.30	0.970
CER7052B-680M	68±20%	0.220	1.25	0.897	1.20	0.870
CER7052B-820M	82±20%	0.250	1.10	0.807	1.10	0.800
CER7052B-101M	100±20%	0.320	1.00	0.730	0.980	0.730
CER7052B-121M	120±20%	0.370	0.970	0.683	0.910	0.660
CER7052B-151M	150±20%	0.460	0.860	0.600	0.800	0.580
CER7052B-181M	180±20%	0.580	0.790	0.550	0.720	0.520
CER7052B-221M	220±20%	0.690	0.720	0.500	0.650	0.470
CER7052B-271M	270±20%	0.860	0.640	0.450	0.580	0.420
CER7052B-331M	330±20%	0.980	0.570	0.403	0.550	0.390
CER7052B-391M	390±20%	1.21	0.520	0.365	0.480	0.350
CER7052B-471M	470±20%	1.56	0.470	0.333	0.420	0.310
CER7052B-561M	560±20%	1.75	0.440	0.307	0.390	0.290
CER7052B-681M	680±20%	2.20	0.400	0.282	0.350	0.260
CER7052B-821M	820±20%	2.44	0.360	0.259	0.330	0.250
CER7052B-102M	1000±20%	3.19	0.330	0.227	0.290	0.212

Inductance Measuring Condition:100kHz,1V
DC saturation allowable current:The current value which inductance decrease within 30% from the initial value
Temperature rise allowable current:The rise in temperature of core surface is within 40℃

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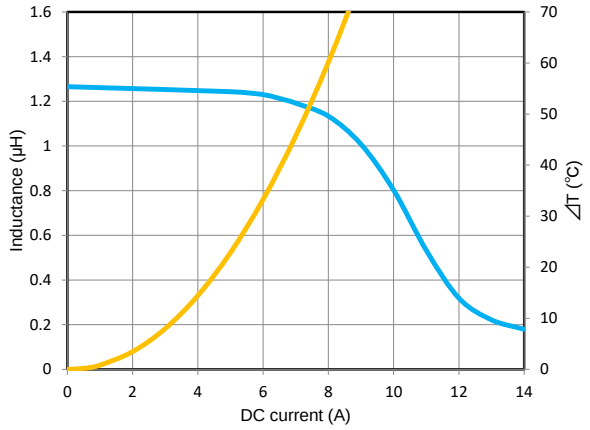
DC bias characteristics vs Temperature Rise Graph

L(25℃) ⊿T

CER7052B-1R2N



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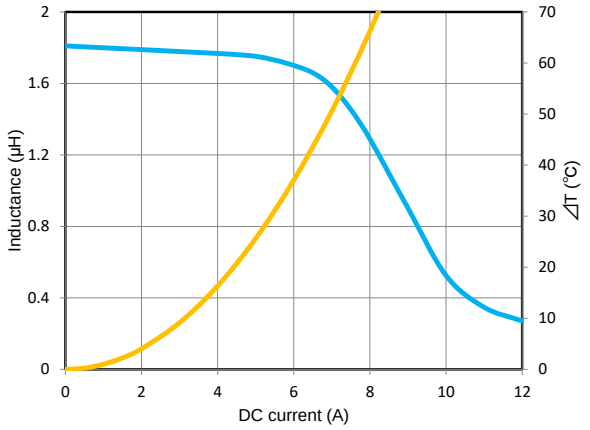

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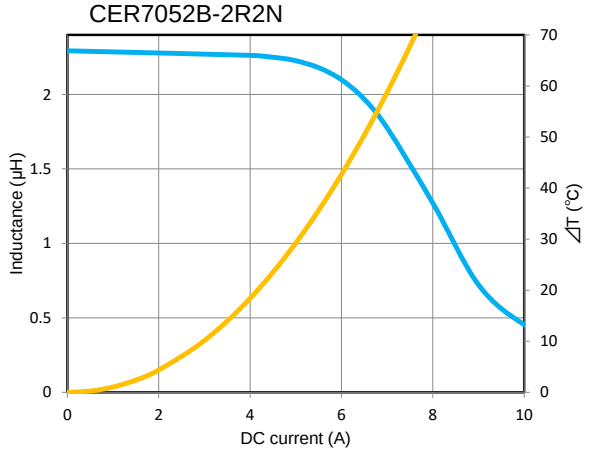

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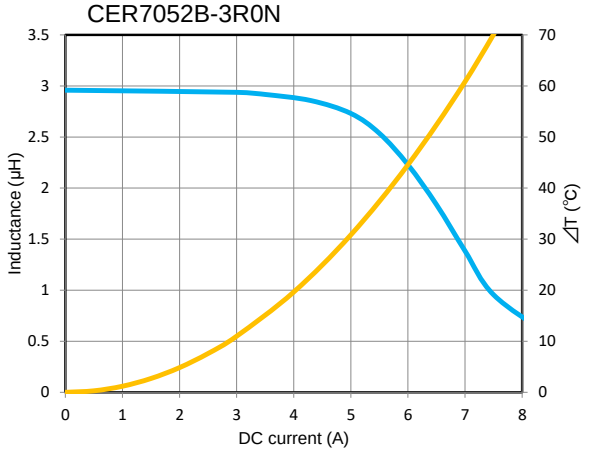

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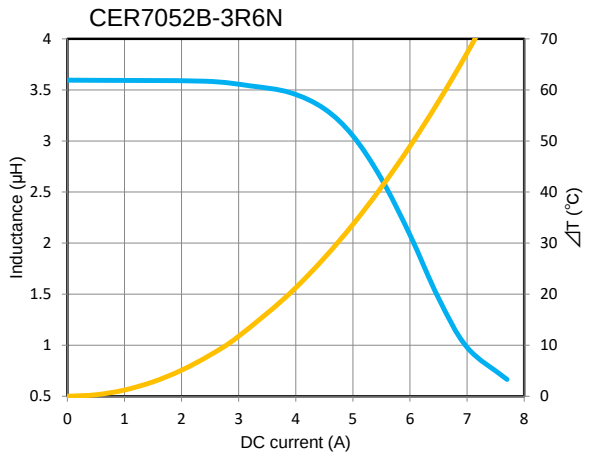

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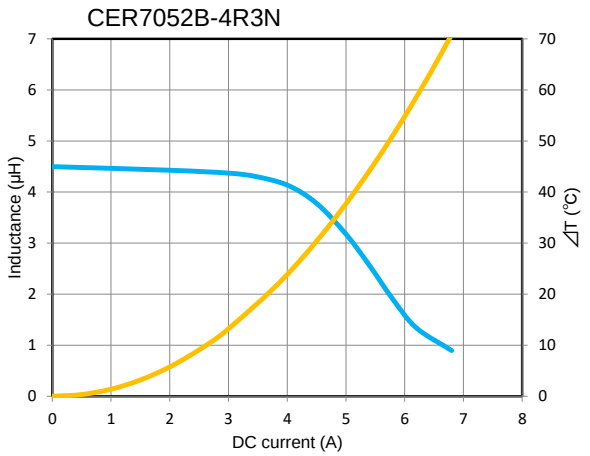

DC bias characteristics vs Temperature Rise Graph

L(25℃)　　⊿T

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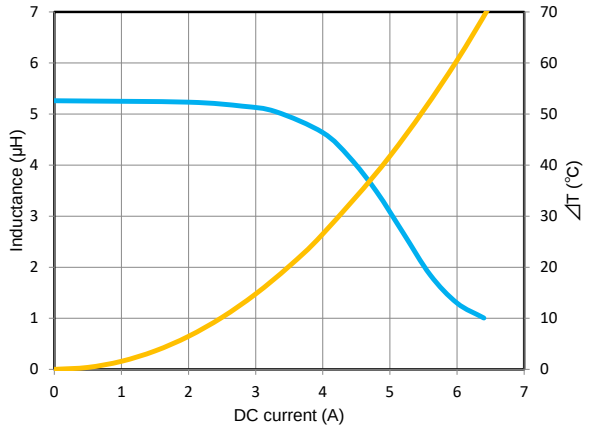

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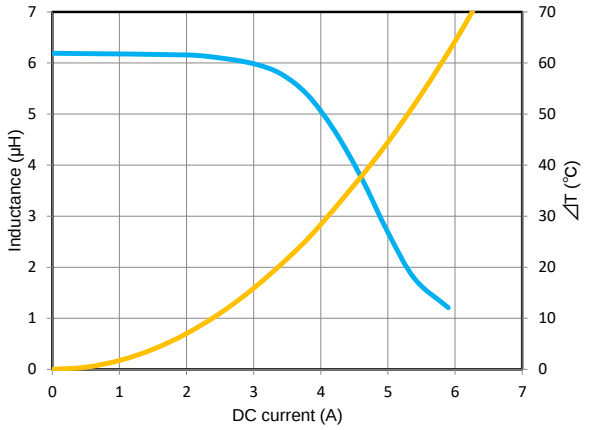

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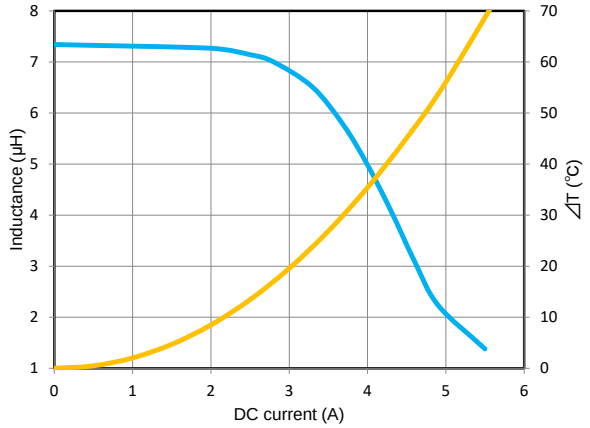

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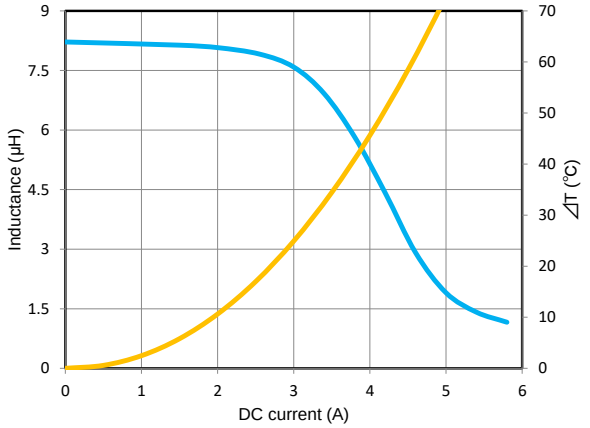

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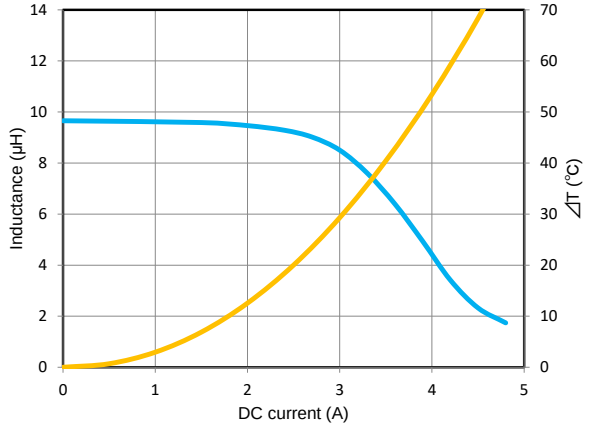

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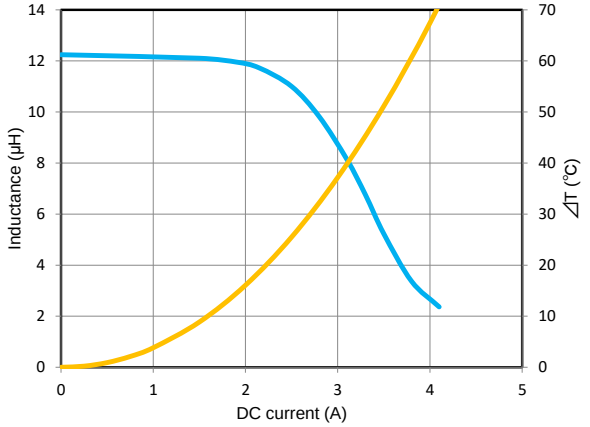

DC bias characteristics vs Temperature Rise Graph

L(25℃) ⊿T

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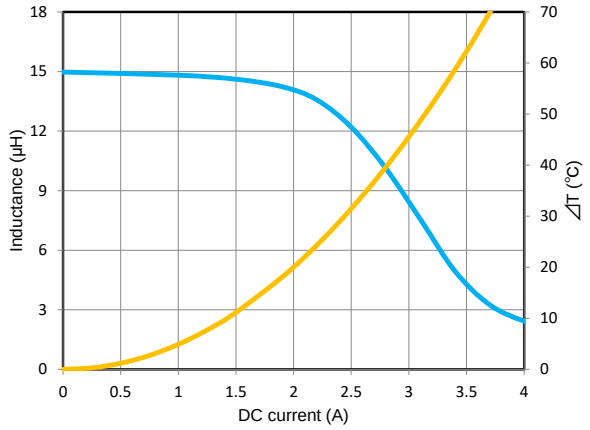

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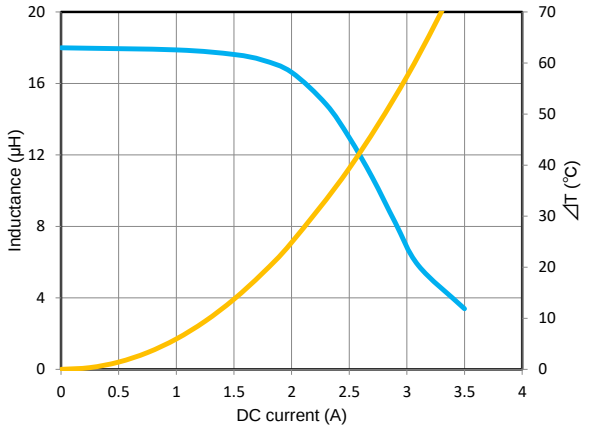

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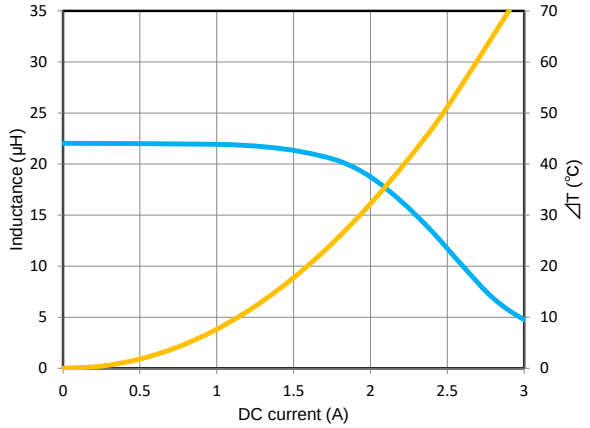

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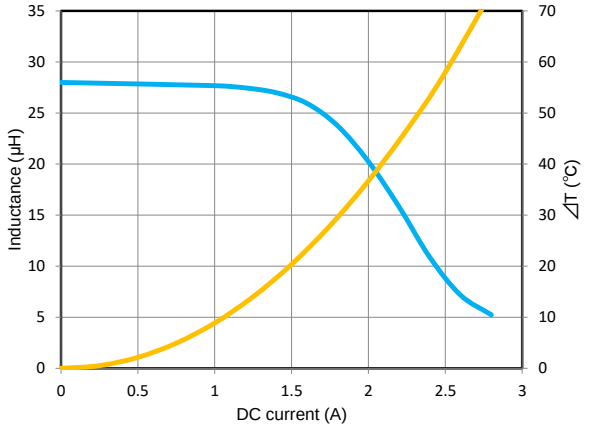

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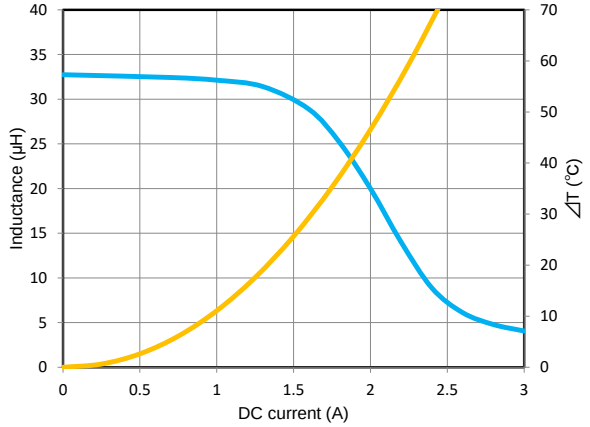

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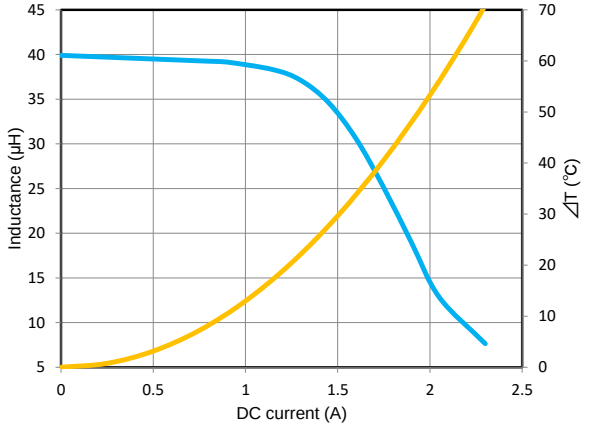

DC bias characteristics vs Temperature Rise Graph

L(25℃) ⊿T

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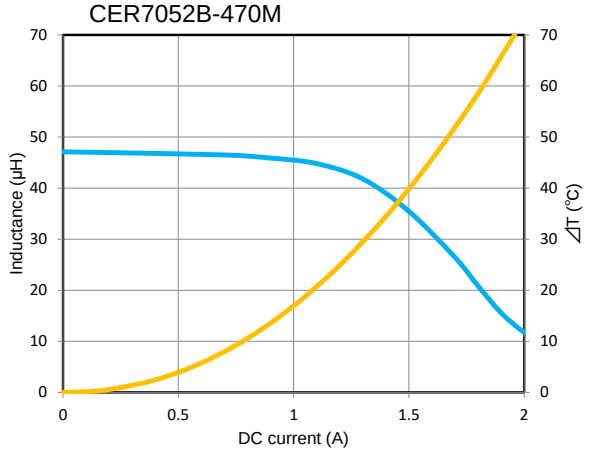

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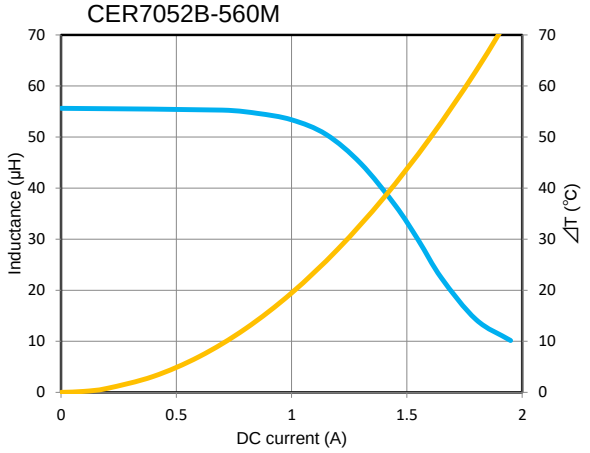

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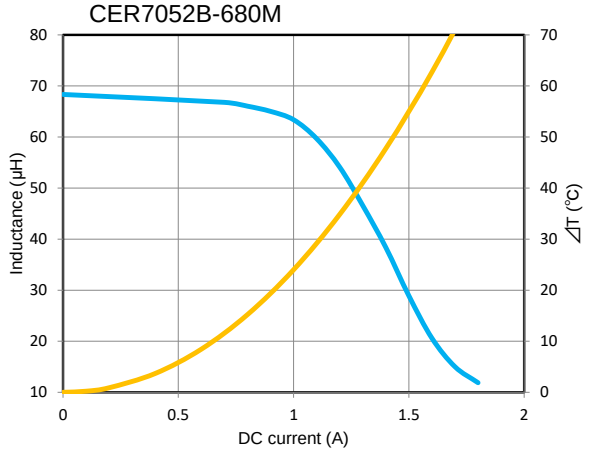

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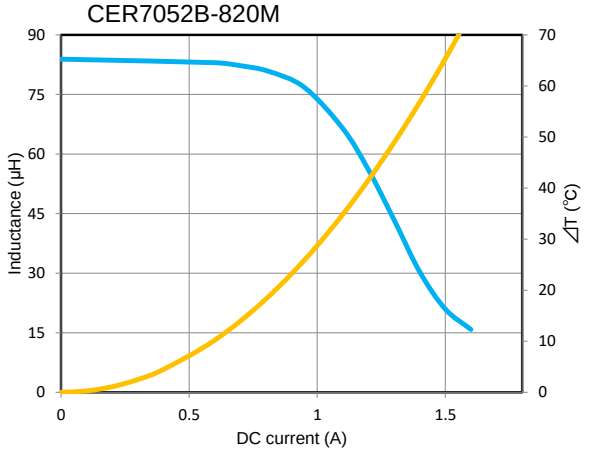

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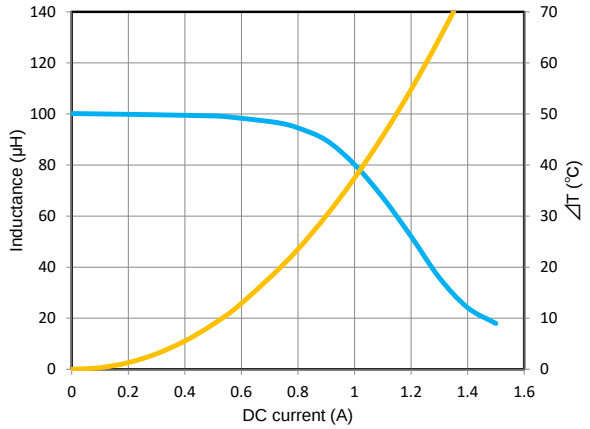

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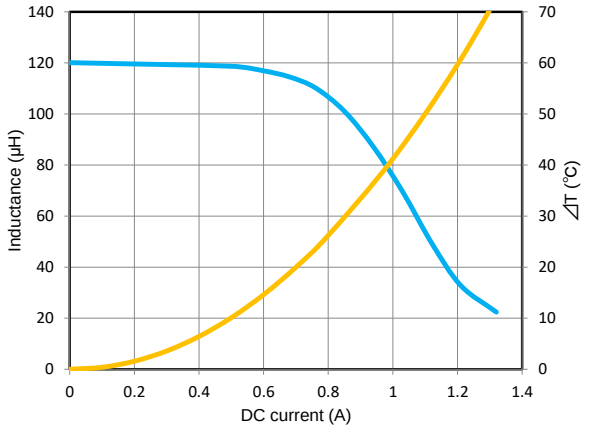

DC bias characteristics vs Temperature Rise Graph

L(25℃)　　⊿T

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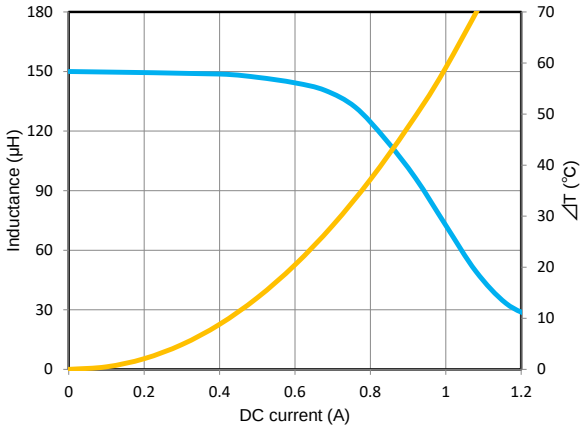

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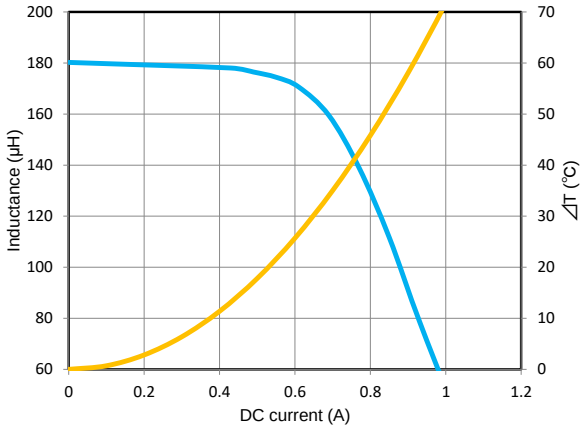

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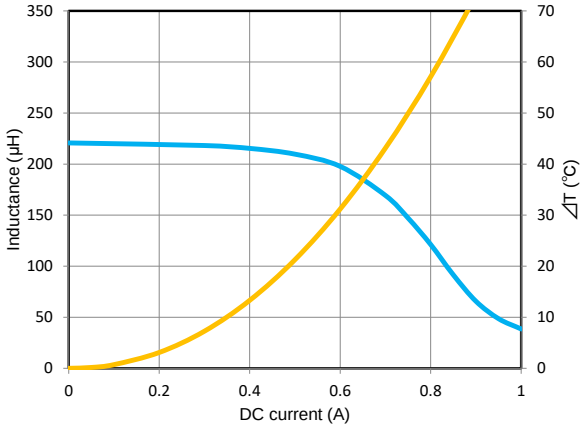

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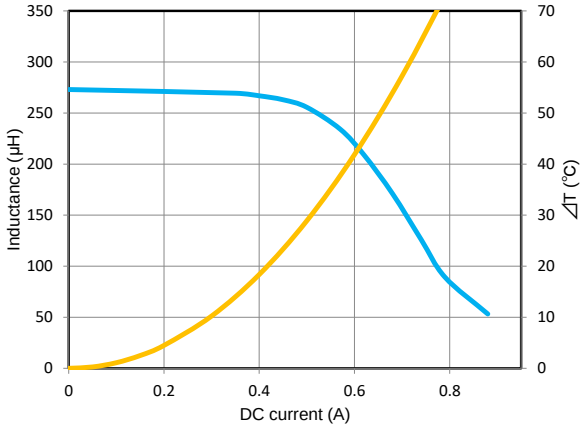

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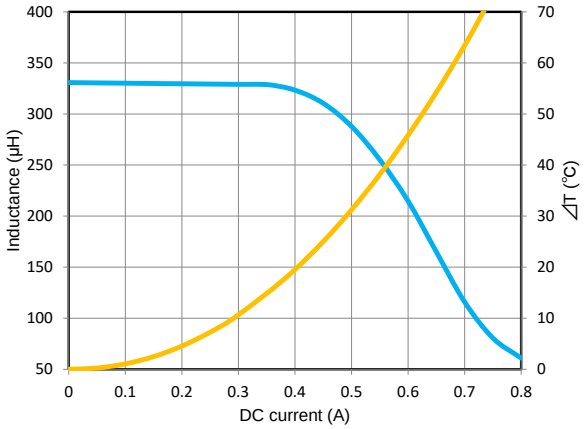

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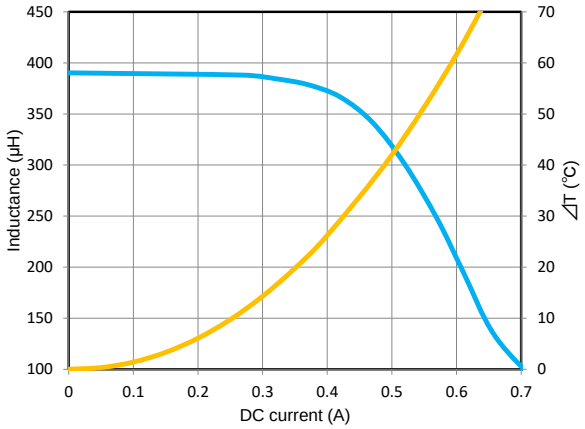

DC bias characteristics vs Temperature Rise Graph

L(25℃) ⊿T

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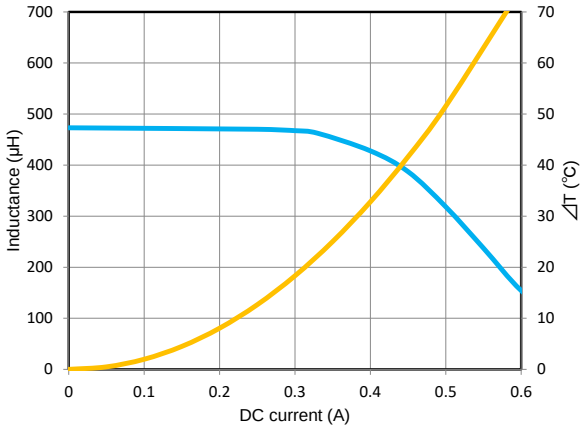

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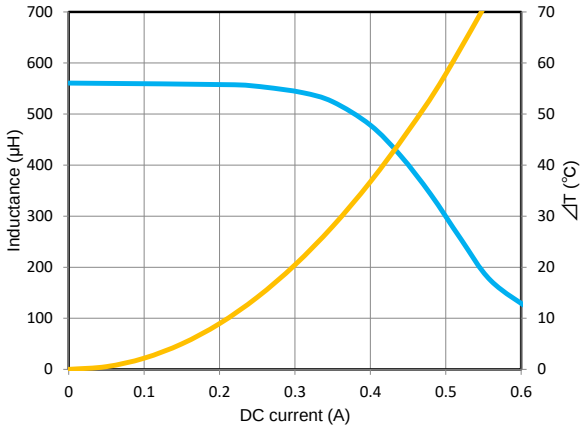

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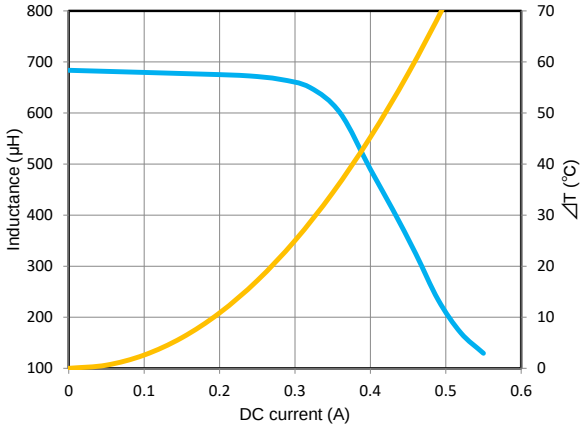

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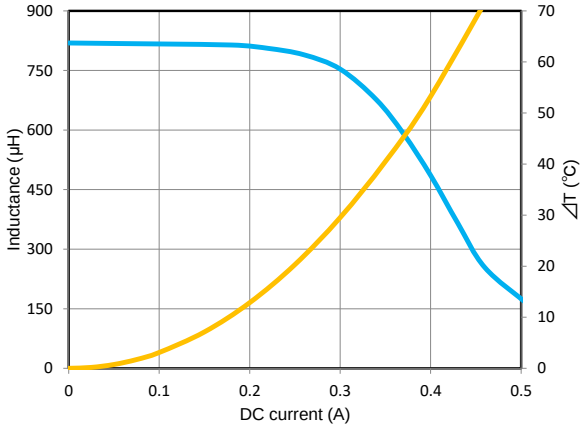
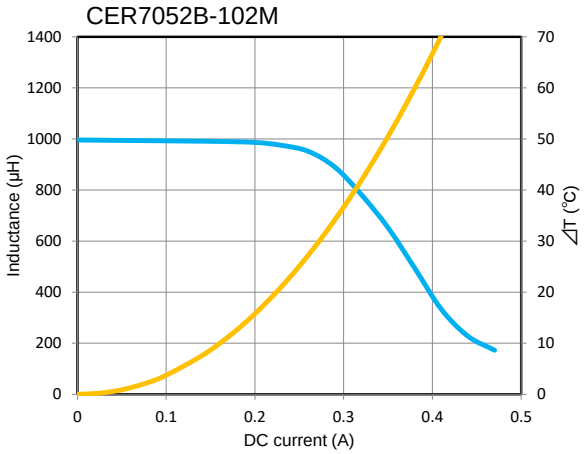
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