CER1065B

■ Features

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

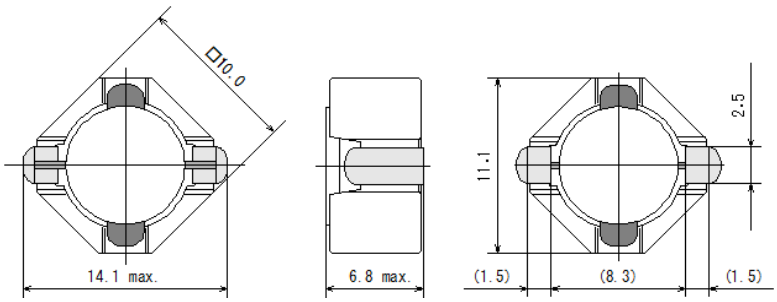
Magnetic structure：

Weight： 2.4 g

■ Applications

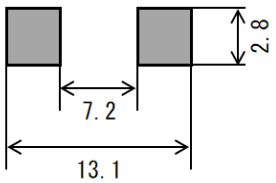
- Audio Visual/TV and Monitor,Mini System, AV Amplifier, for Professionals,Camera,Recorder
- Automotive/Car Navigation,LED Headlights
- Computer & Peripheral Device/Industorial Machines,Computer,Printer(MFP)
- Home Electronics/LED Lights
- Others/Medical,Energy,Power Supply,Transceivers,FA

■ 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

(2025.03)

■ Specifications

SAGAMI Part No.	Inductance (μH)	DCR (Ω) ±30%	DC Saturation Allowable Current (A)		Temperature Rise Allowable Current (A)	
			Typical	Spec	Typical	Spec
CER1065B-1R0N	1±30%	0.00600	20.4	16.0	9.30	6.45
CER1065B-1R5N	1.5±30%	0.00700	15.9	12.6	8.20	5.75
CER1065B-2R2N	2.2±30%	0.00900	13.9	10.5	7.50	5.35
CER1065B-3R3N	3.3±30%	0.0100	11.7	8.50	6.95	4.80
CER1065B-4R3N	4.3±30%	0.0120	10.4	7.70	6.50	4.50
CER1065B-5R1N	5.1±30%	0.0130	9.30	6.90	6.15	4.30
CER1065B-6R2N	6.2±30%	0.0150	8.35	6.10	5.75	4.20
CER1065B-7R5N	7.5±30%	0.0160	7.70	5.70	5.45	3.95
CER1065B-100M	10±20%	0.0190	7.00	5.00	5.10	3.60
CER1065B-120M	12±20%	0.0220	6.30	4.50	4.65	3.35
CER1065B-150M	15±20%	0.0260	5.65	4.10	4.25	3.10
CER1065B-180M	18±20%	0.0350	5.15	3.75	3.70	2.75
CER1065B-220M	22±20%	0.0430	4.55	3.30	3.35	2.45
CER1065B-270M	27±20%	0.0540	4.15	3.00	3.00	2.20
CER1065B-330M	33±20%	0.0670	3.65	2.65	2.65	2.00
CER1065B-390M	39±20%	0.0750	3.50	2.45	2.50	1.80
CER1065B-470M	47±20%	0.0820	3.25	2.30	2.40	1.70
CER1065B-560M	56±20%	0.100	2.83	2.05	2.15	1.55
CER1065B-680M	68±20%	0.120	2.70	1.85	1.98	1.40
CER1065B-820M	82±20%	0.150	2.30	1.70	1.75	1.25
CER1065B-101M	100±20%	0.180	2.15	1.50	1.60	1.15
CER1065B-121M	120±20%	0.210	2.05	1.35	1.50	1.10
CER1065B-151M	150±20%	0.250	1.80	1.25	1.38	1.00
CER1065B-181M	180±20%	0.300	1.60	1.10	1.25	0.900
CER1065B-221M	220±20%	0.370	1.43	1.00	1.10	0.800
CER1065B-271M	270±20%	0.450	1.30	0.950	1.00	0.700
CER1065B-331M	330±20%	0.560	1.18	0.830	0.910	0.650
CER1065B-391M	390±20%	0.660	1.08	0.770	0.840	0.600
CER1065B-471M	470±20%	0.790	0.970	0.700	0.770	0.500
CER1065B-561M	560±20%	0.960	0.930	0.670	0.690	0.470
CER1065B-681M	680±20%	1.18	0.830	0.610	0.630	0.450
CER1065B-821M	820±20%	1.45	0.770	0.560	0.560	0.410
CER1065B-102M	1000±20%	1.61	0.700	0.500	0.530	0.390

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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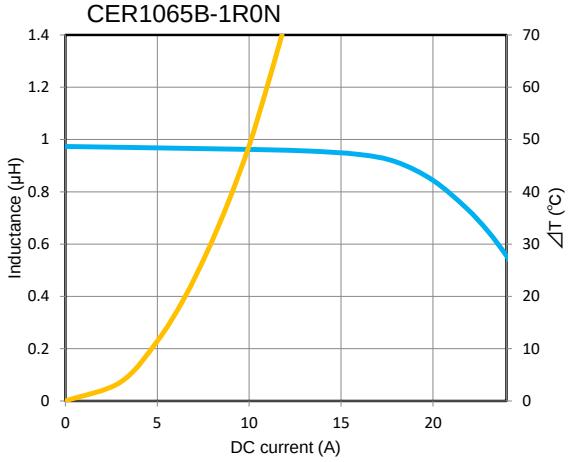
DC bias characteristics vs Temperature Rise Graph

L(25℃)　　⊿T

CER1065B-1R0N



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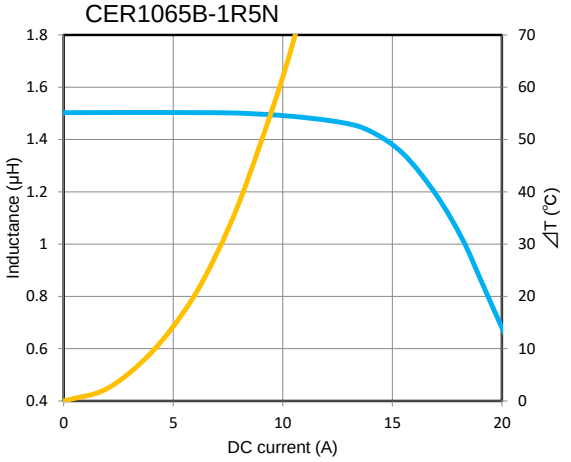

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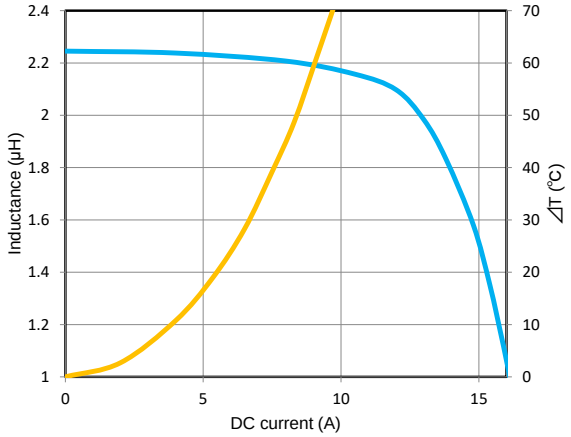

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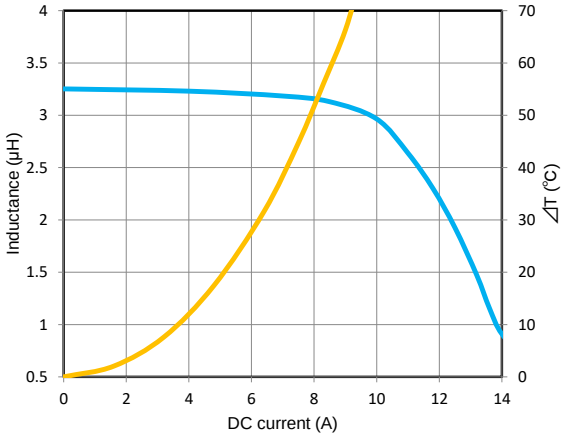

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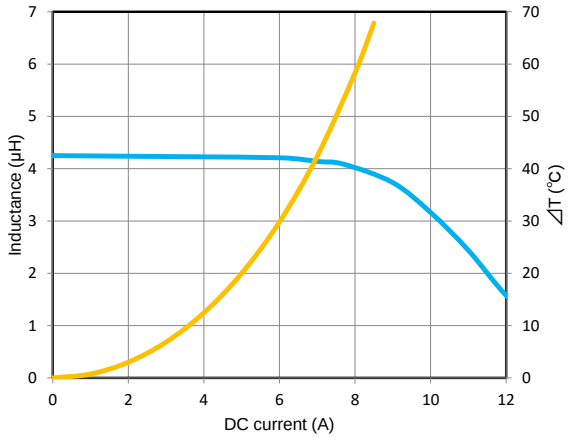

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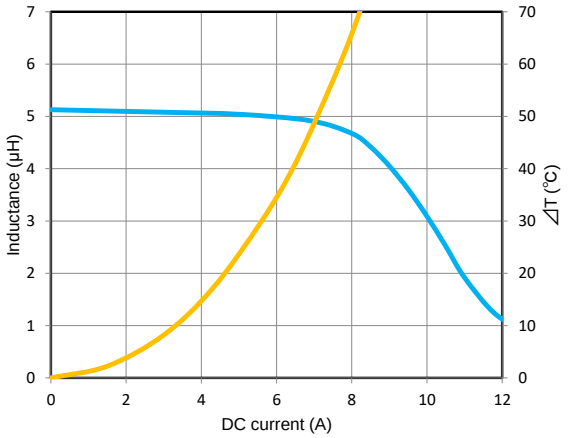

DC bias characteristics vs Temperature Rise Graph

L(25℃) ⊿T

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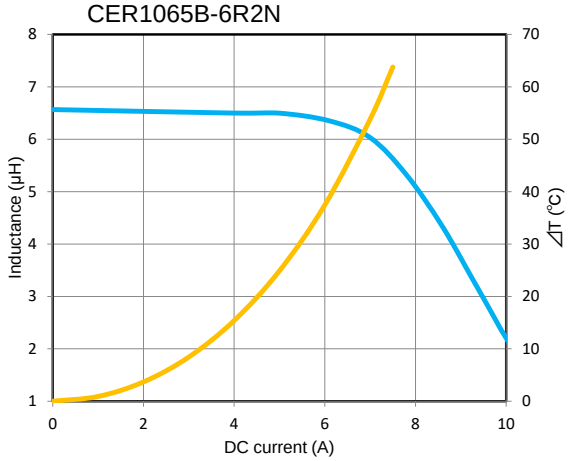

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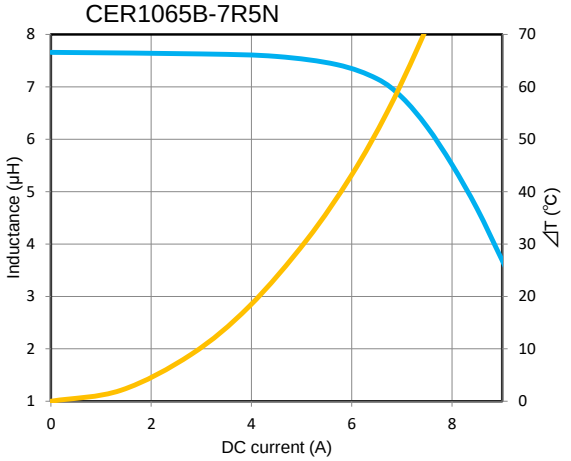

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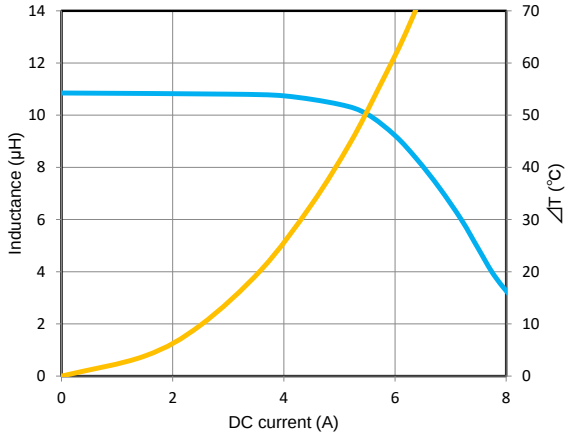

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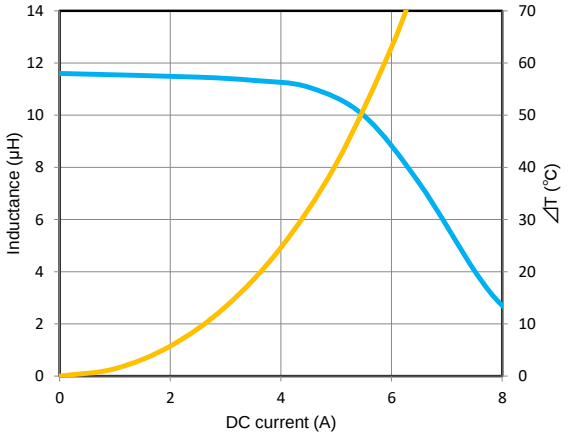

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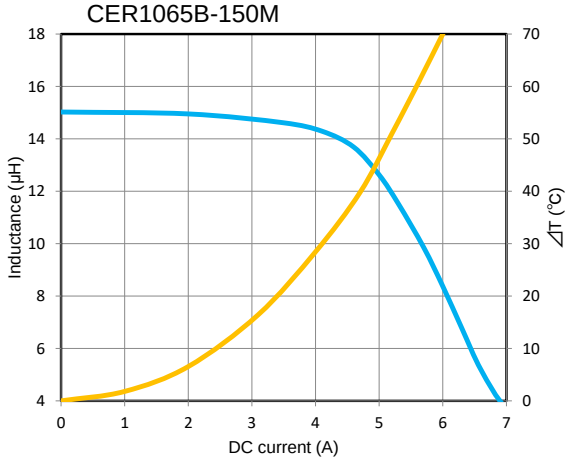

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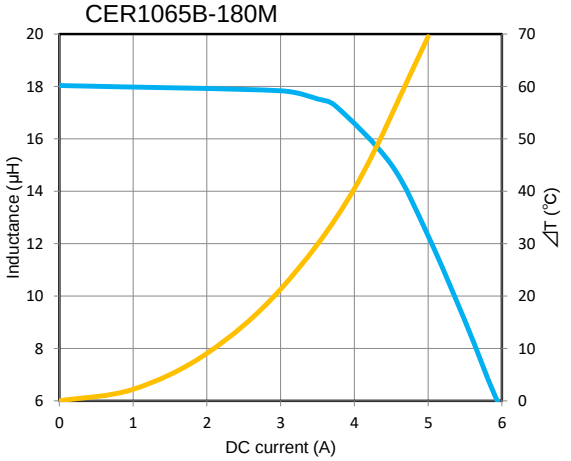

DC bias characteristics vs Temperature Rise Graph

L(25℃)　　⊿T

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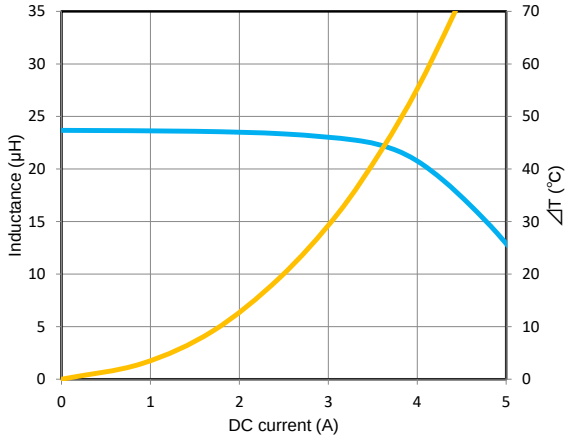

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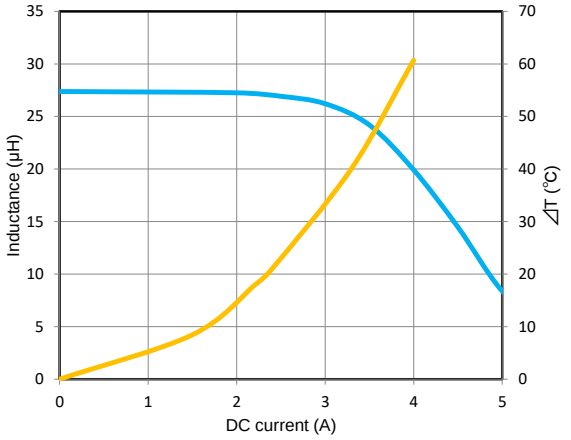

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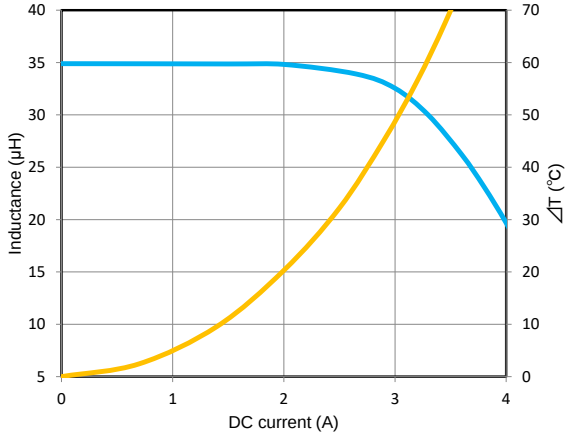

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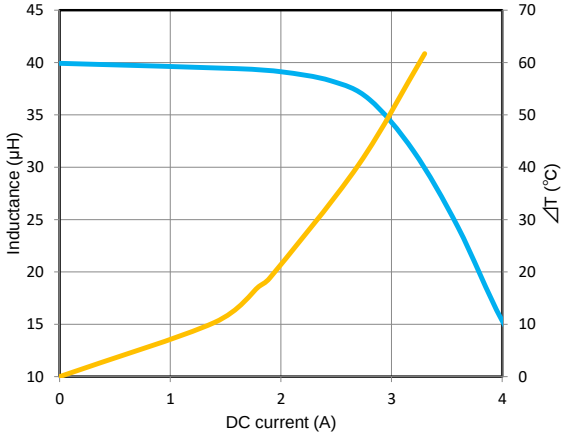

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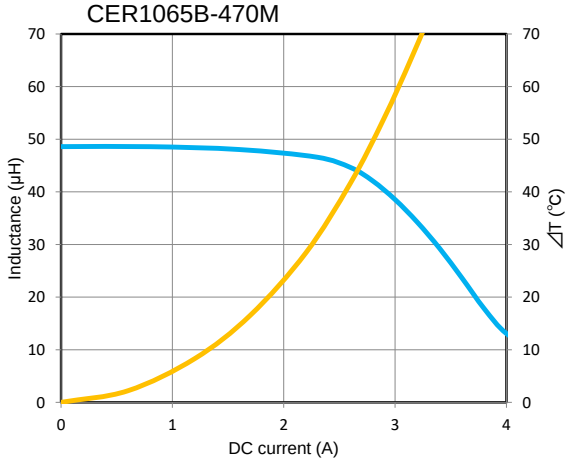

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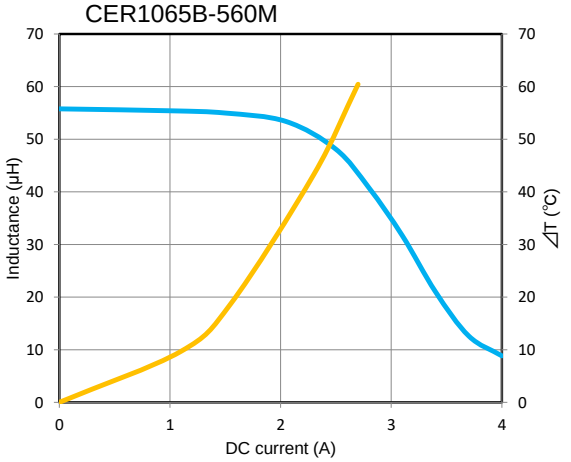
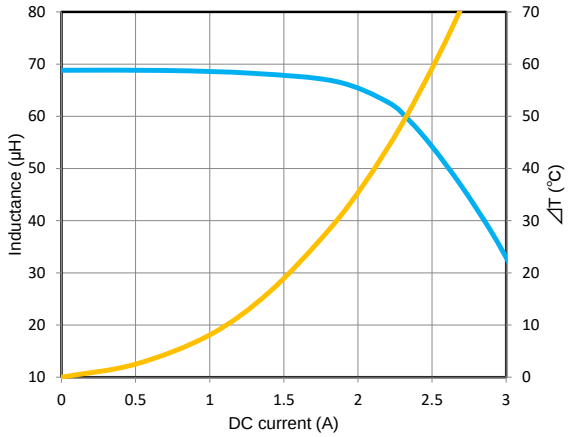


DC bias characteristics vs Temperature Rise Graph

L(25℃)　　⊿T

CER1065B-680M



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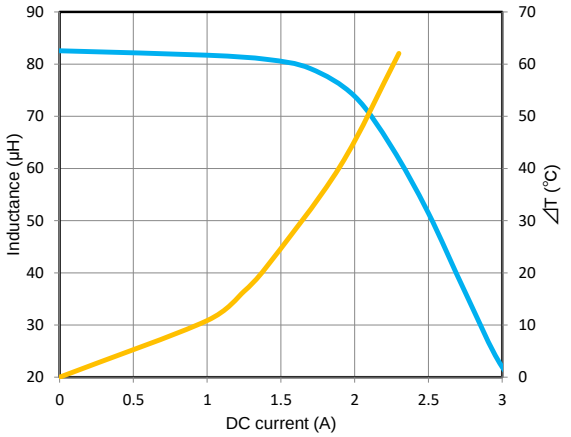

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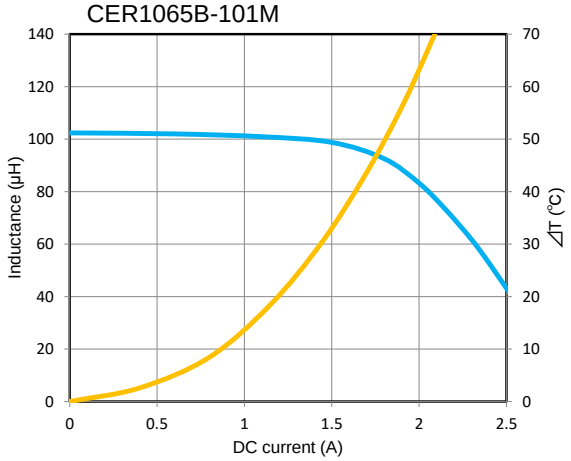

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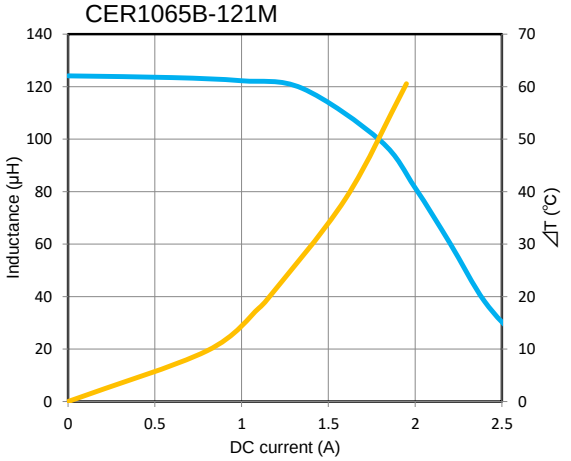

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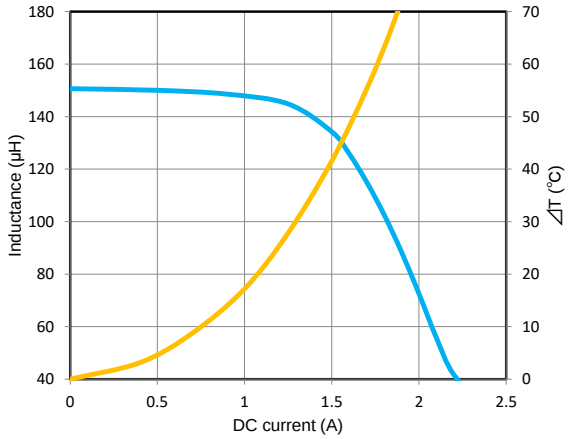

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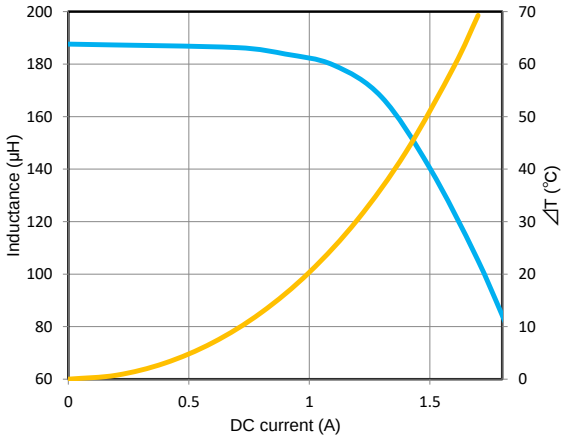

DC bias characteristics vs Temperature Rise Graph

L(25℃) ⊿T

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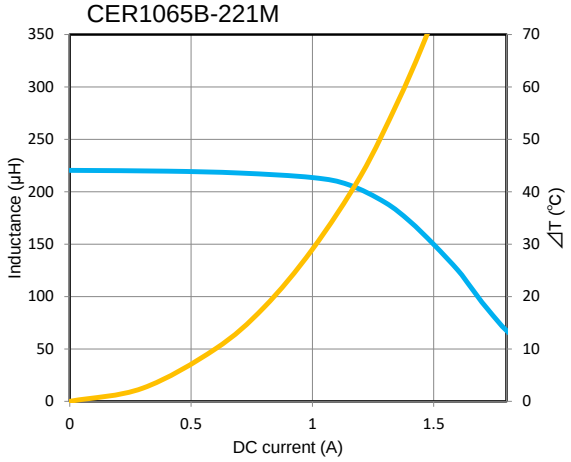

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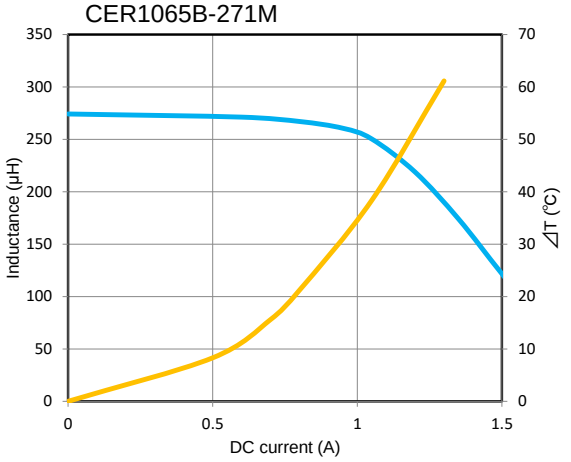

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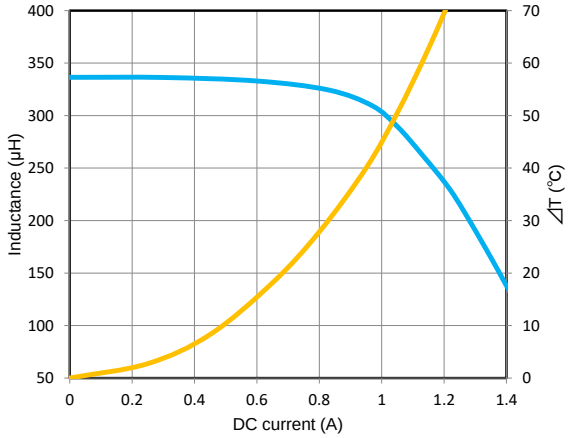

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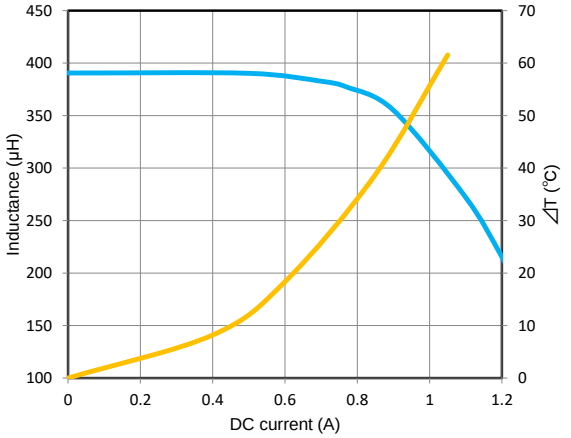

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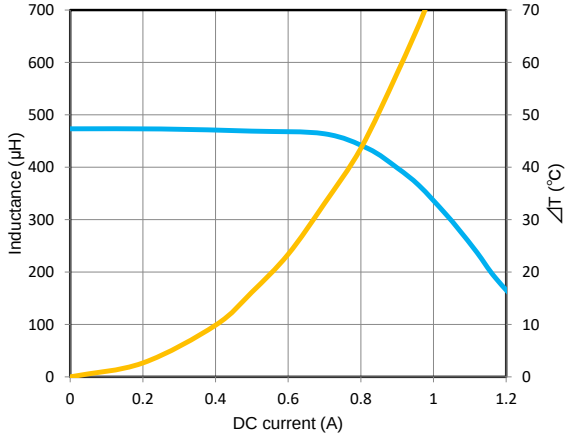

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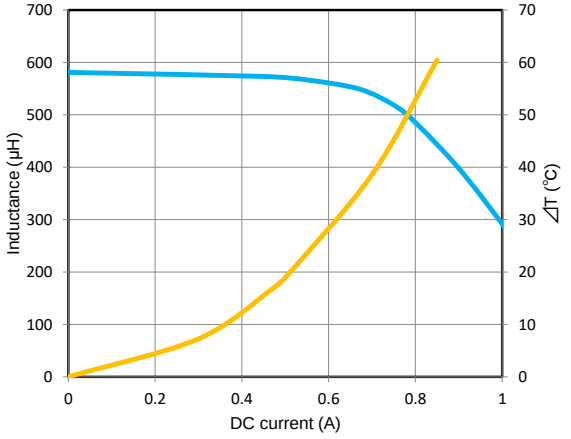
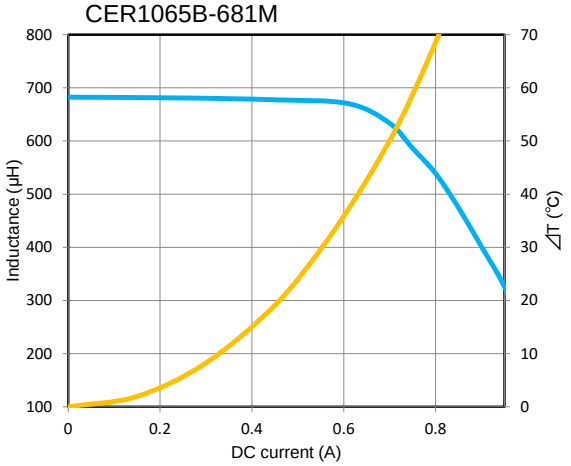


DC bias characteristics vs Temperature Rise Graph

L(25℃)　　⊿T

CER1065B-681M



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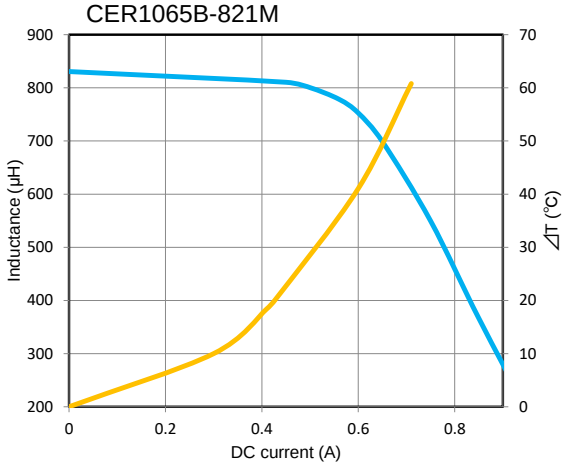

CER1065B-102M