HER6027

■ Features

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

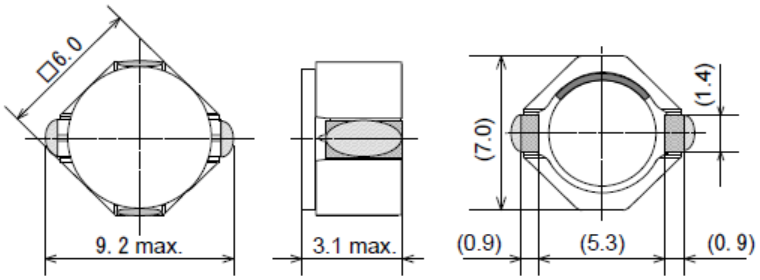
Magnetic structure：

Weight： 0.36 g

■ Applications

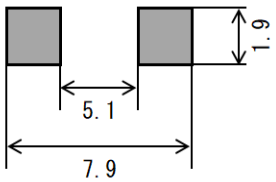
- Audio Visual/TV and Monitor,Portable Audio,Camera
- Computer & Peripheral Device/Printer(MFP),Computer
- Others/Energy,Power Supply,Transceivers,FA,Medical

■ 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)
HER6027-R82N	0.82±30%	0.00700	7.20	6.70
HER6027-1R3N	1.3±30%	0.00900	5.50	6.20
HER6027-2R0N	2±30%	0.0120	5.00	5.00
HER6027-3R0N	3±30%	0.0160	3.50	3.50
HER6027-3R9N	3.9±30%	0.0270	3.20	3.20
HER6027-4R7N	4.7±30%	0.0320	2.80	2.80
HER6027-6R2N	6.2±30%	0.0360	2.60	2.60
HER6027-7R5N	7.5±30%	0.0460	2.30	2.30
HER6027-9R1N	9.1±30%	0.0560	2.00	2.00
HER6027-100M	10±20%	0.0670	1.90	1.90
HER6027-120M	12±20%	0.0720	1.80	1.80
HER6027-150M	15±20%	0.0800	1.70	1.70
HER6027-180M	18±20%	0.0900	1.60	1.60
HER6027-220M	22±20%	0.100	1.50	1.50
HER6027-270M	27±20%	0.130	1.30	1.30
HER6027-330M	33±20%	0.160	1.10	1.10
HER6027-390M	39±20%	0.200	1.00	1.00
HER6027-470M	47±20%	0.240	0.900	0.900
HER6027-560M	56±20%	0.330	0.850	0.850
HER6027-680M	68±20%	0.370	0.750	0.750
HER6027-820M	82±20%	0.400	0.700	0.700
HER6027-101M	100±20%	0.460	0.650	0.650
HER6027-121M	120±20%	0.530	0.600	0.600
HER6027-151M	150±20%	0.670	0.500	0.500
HER6027-181M	180±20%	0.870	0.470	0.470
HER6027-221M	220±20%	1.11	0.450	0.450
HER6027-271M	270±20%	1.46	0.400	0.380
HER6027-331M	330±20%	1.67	0.370	0.370
HER6027-391M	390±20%	1.85	0.350	0.350
HER6027-471M	470±20%	2.05	0.300	0.300

Inductance Measuring Condition:100kHz,1V(＜10μH)、1kHz,1V(≧10μH)
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°C

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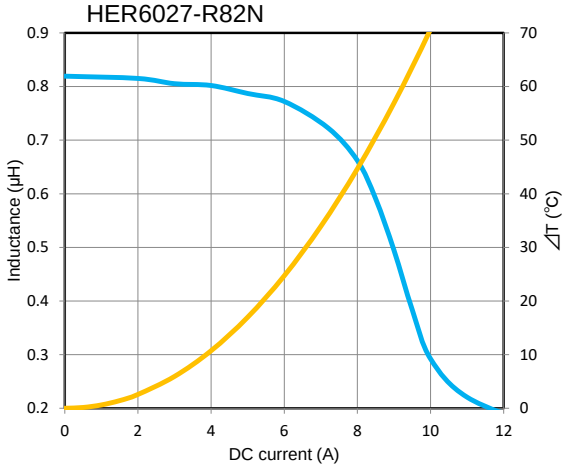
DC bias characteristics vs Temperature Rise Graph

L(25°C)　　⊿T

HER6027-R82N



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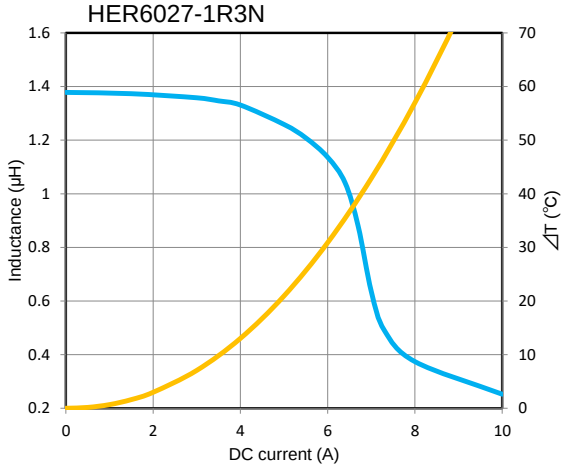

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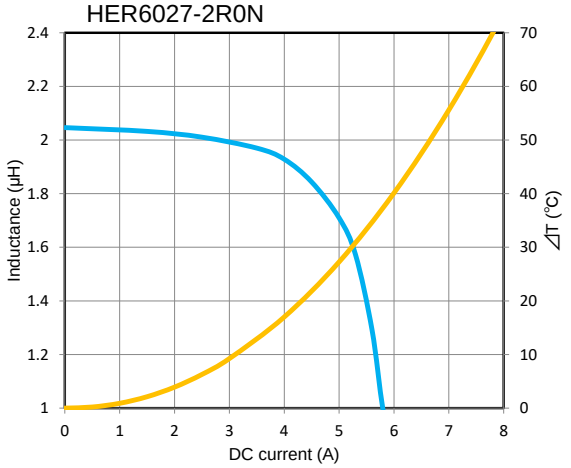

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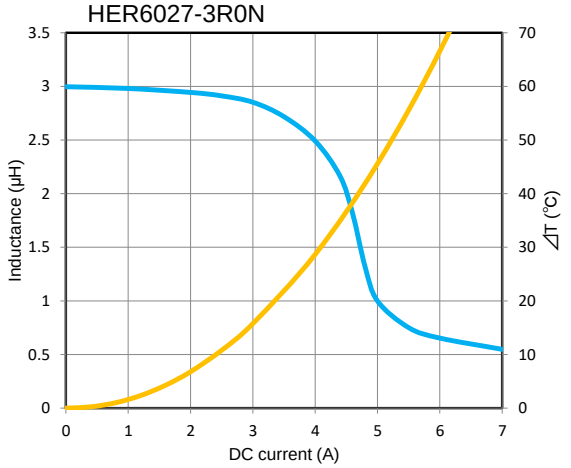

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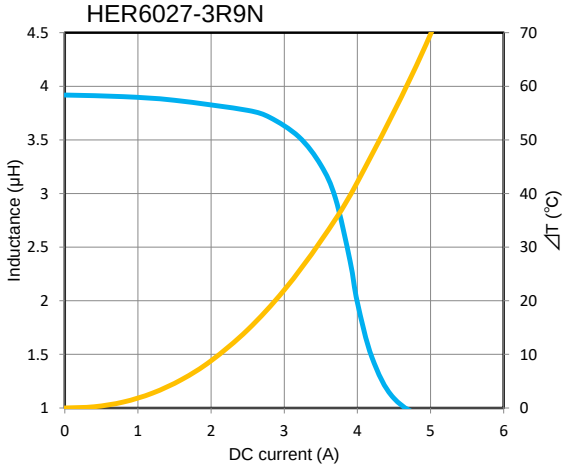

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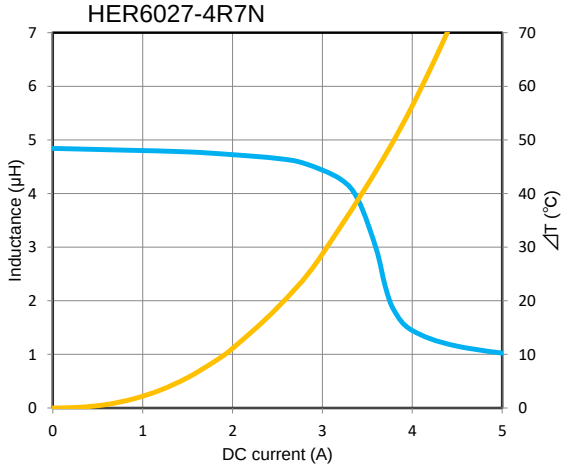

DC bias characteristics vs Temperature Rise Graph

L(25℃)　　⊿T

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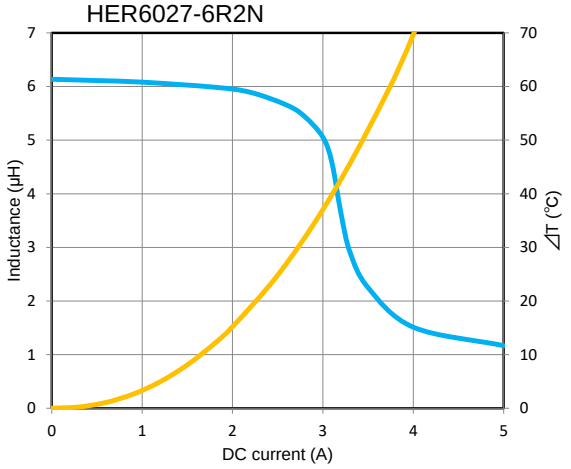

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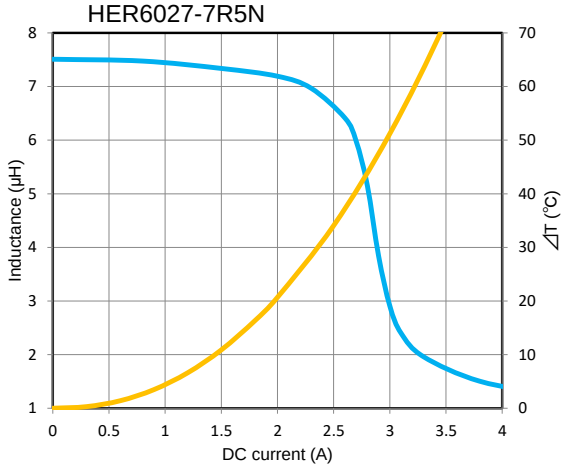

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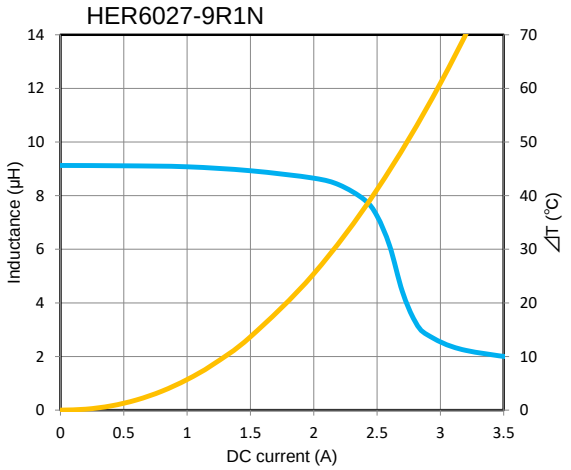

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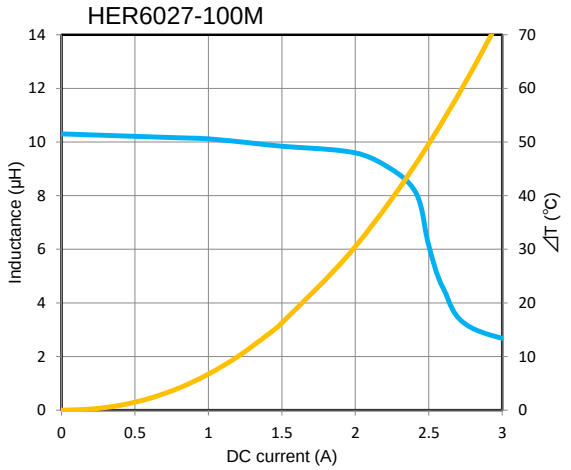

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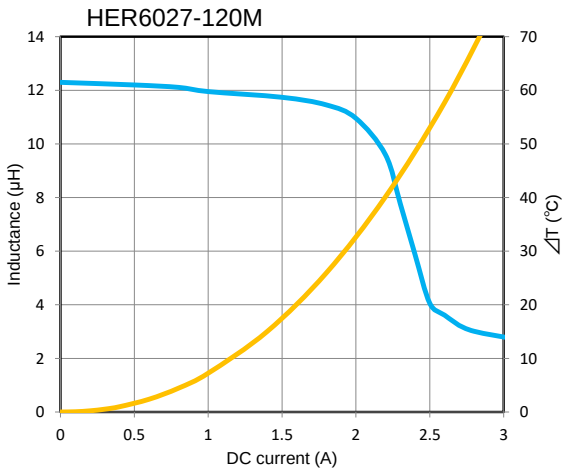

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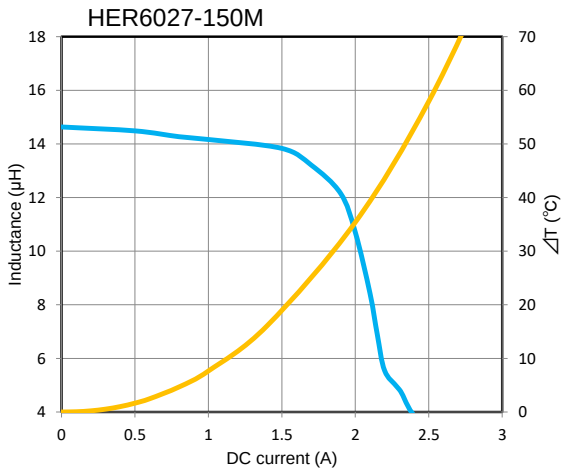

DC bias characteristics vs Temperature Rise Graph

L(25°C) ⊿T

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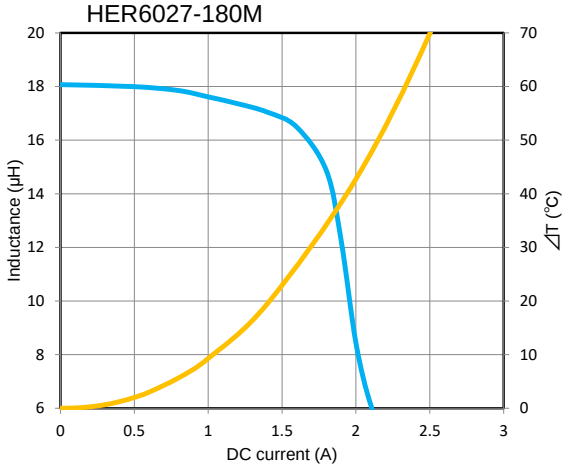

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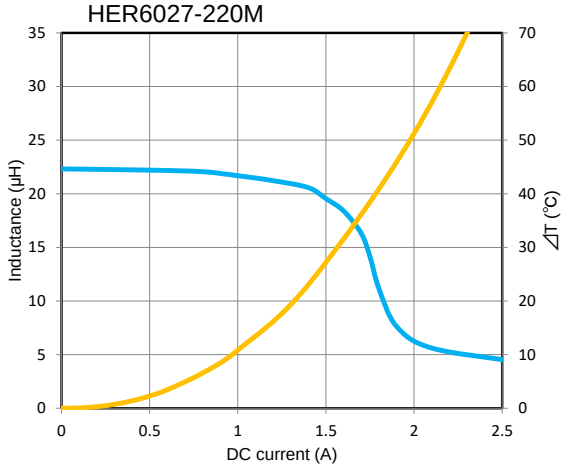

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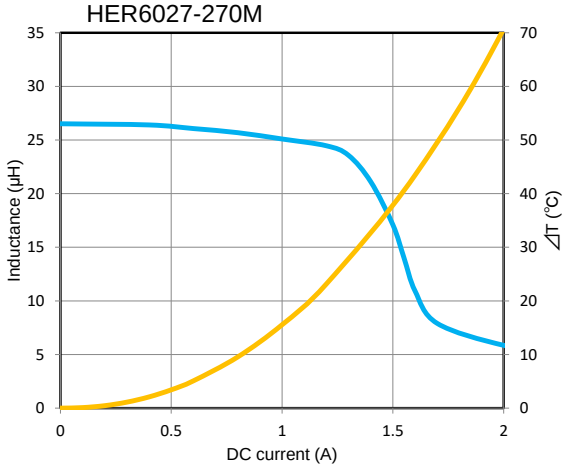

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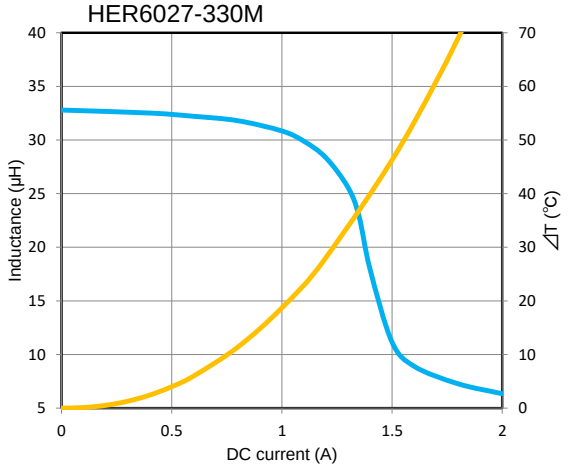

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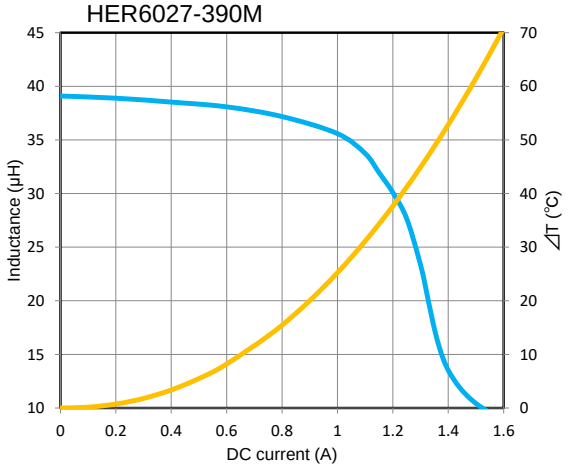

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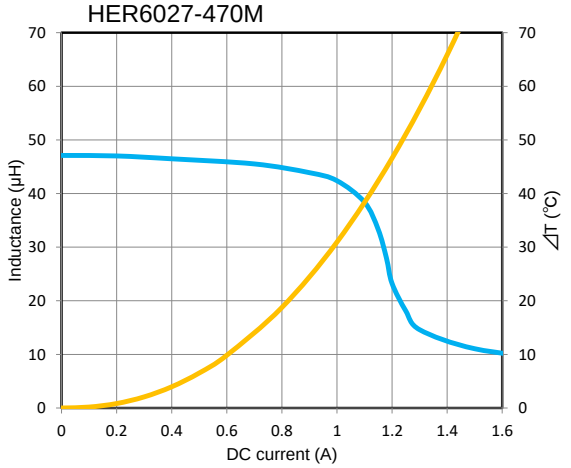

DC bias characteristics vs Temperature Rise Graph

L(25°C)　　⊿T

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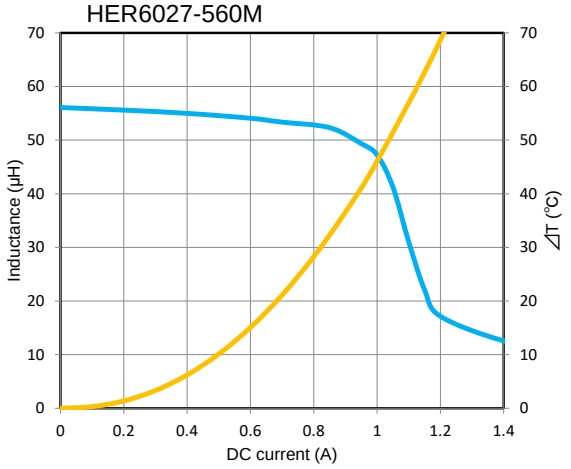

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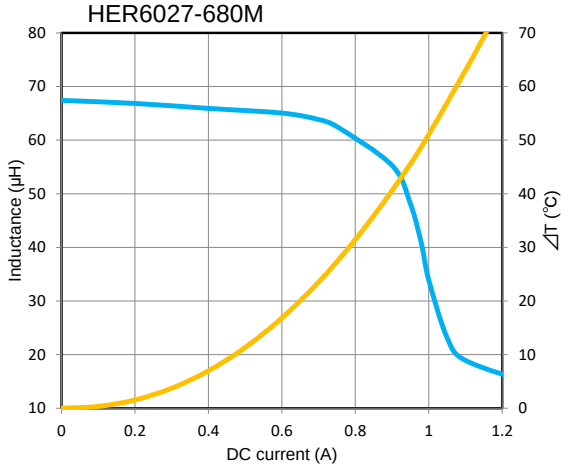

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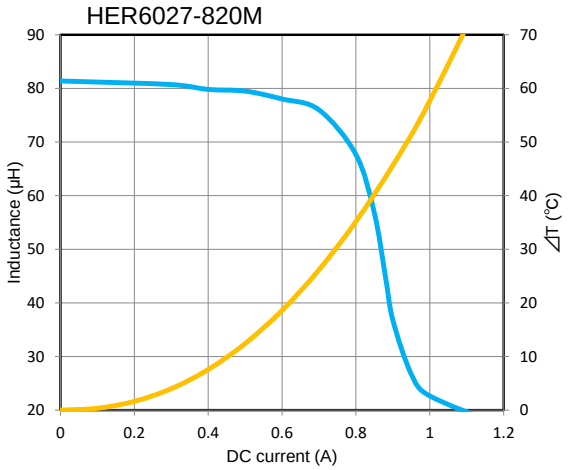

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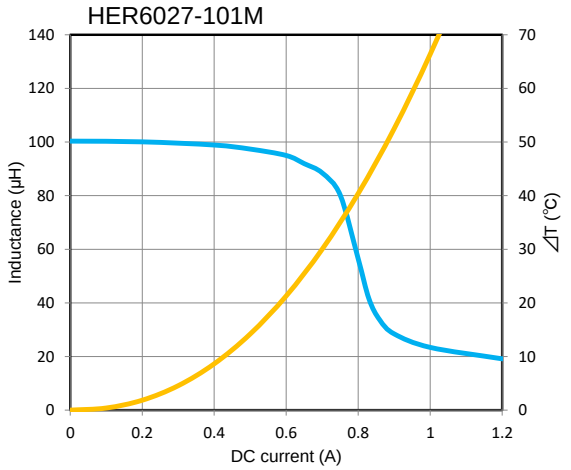

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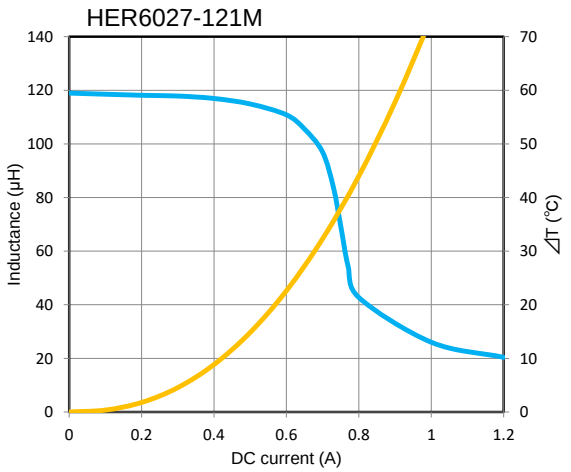

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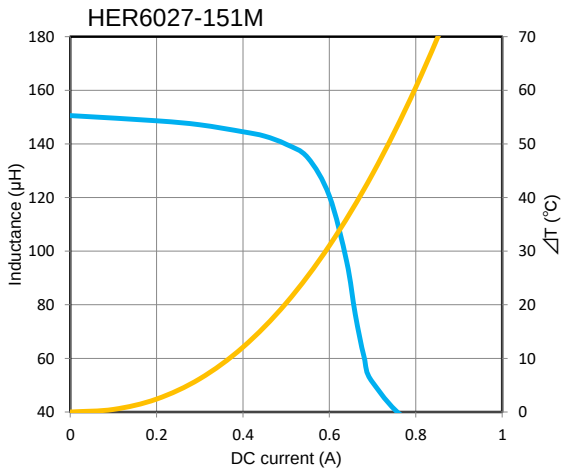

DC bias characteristics vs Temperature Rise Graph

L(25℃)　　⊿T

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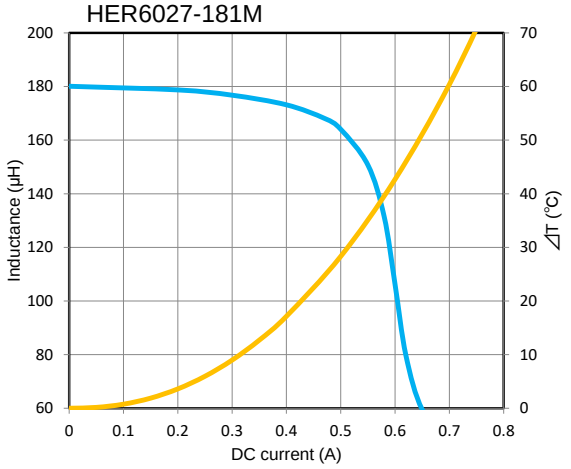

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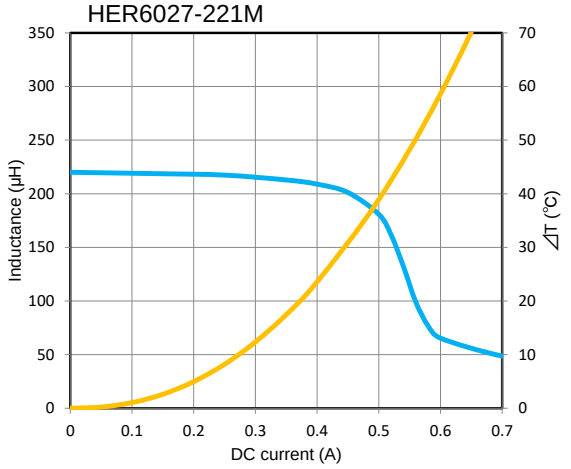

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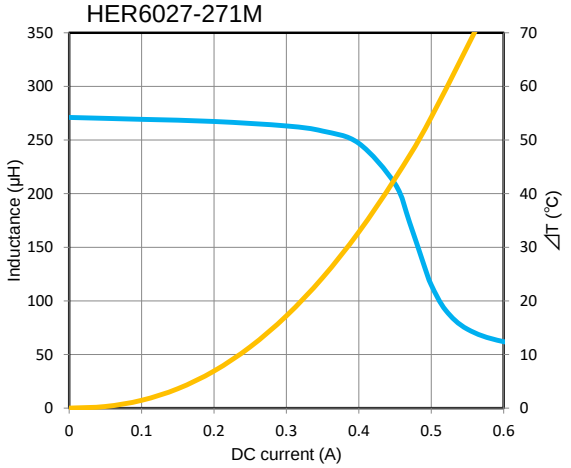

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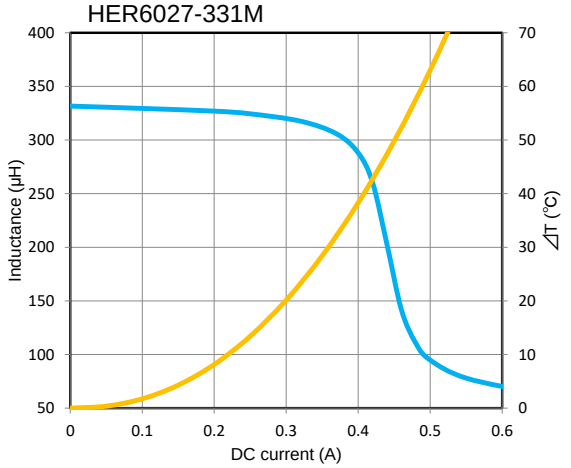

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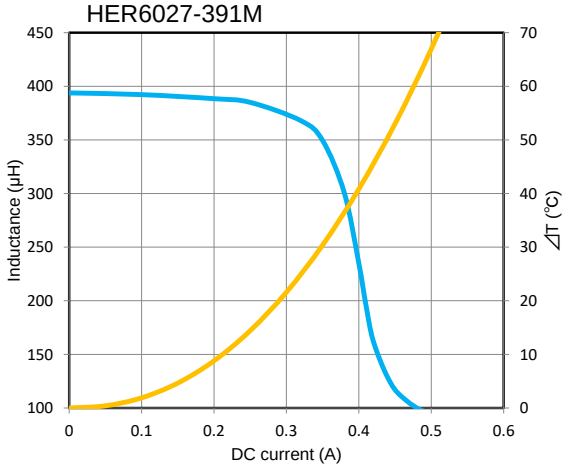
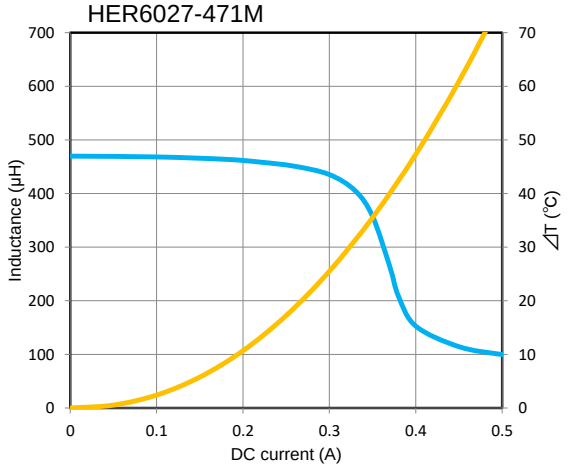
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