HER5027

■ 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)

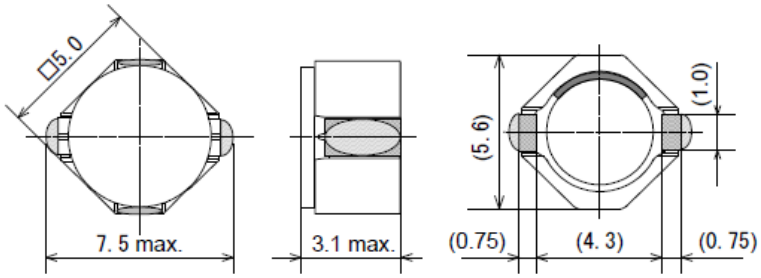
Magnetic structure：

Weight： 0.24 g

■ Applications

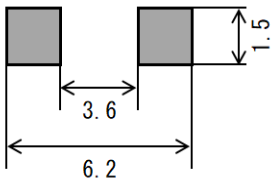
- Audio Visual/TV and Monitor,Portable Audio,Camera
- Computer & Peripheral Device/Printer(MFP),Computer
- Others/Energy,Power Supply,Transceivers,FA,Medical

■ Dimensions



(Unit：mm)

■ Recommended Land Pattern



(Unit：mm)

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10-30, Ichibashimo-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0024, Japan
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Engineering Dept. TEL : +81 45 521 4543

⚠ The contents of this catalogue are subject to change without notice.

■ Specifications

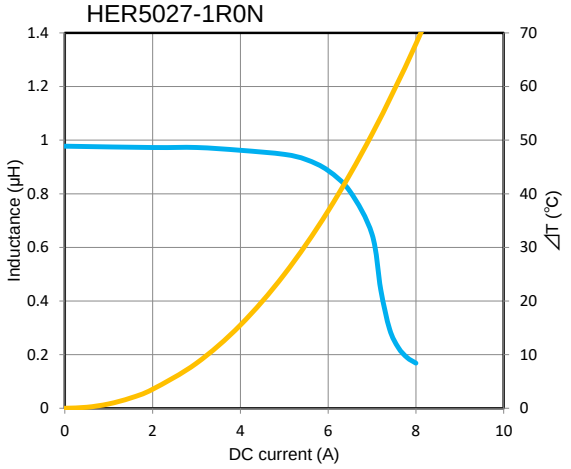
SAGAMI Part No.	Inductance (μH)	DCR (Ω) ±30%	DC Saturation Allowable Current (A)	Temperature Rise Allowable Current (A)
HER5027-1R0N	1±30%	0.00900	5.50	5.30
HER5027-1R5N	1.5±30%	0.0120	4.50	4.75
HER5027-2R0N	2±30%	0.0160	3.85	3.65
HER5027-3R0N	3±30%	0.0210	3.35	3.40
HER5027-3R6N	3.6±30%	0.0290	2.85	2.82
HER5027-4R3N	4.3±30%	0.0380	2.70	2.45
HER5027-5R6N	5.6±30%	0.0450	2.45	2.25
HER5027-6R2N	6.2±30%	0.0630	2.15	1.90
HER5027-7R5N	7.5±30%	0.0750	2.00	1.70
HER5027-100M	10±20%	0.0910	1.70	1.55
HER5027-120M	12±20%	0.0980	1.60	1.45
HER5027-150M	15±20%	0.120	1.40	1.30
HER5027-180M	18±20%	0.130	1.30	1.25
HER5027-220M	22±20%	0.150	1.15	1.15
HER5027-270M	27±20%	0.190	1.05	1.00
HER5027-330M	33±20%	0.230	1.00	0.950
HER5027-390M	39±20%	0.300	0.900	0.800
HER5027-470M	47±20%	0.390	0.800	0.700
HER5027-560M	56±20%	0.470	0.700	0.630
HER5027-680M	68±20%	0.590	0.650	0.560
HER5027-820M	82±20%	0.670	0.600	0.520
HER5027-101M	100±20%	0.750	0.550	0.490
HER5027-121M	120±20%	0.840	0.450	0.460
HER5027-151M	150±20%	1.12	0.400	0.390
HER5027-181M	180±20%	1.26	0.350	0.370

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℃

DC bias characteristics vs Temperature Rise Graph

L(25°C)　　⊿T

HER5027-1R0N



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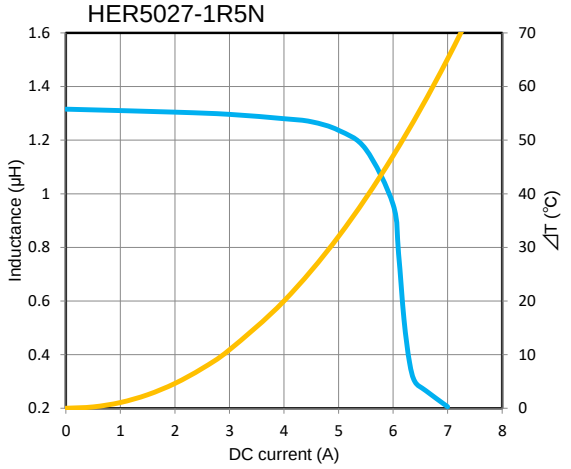

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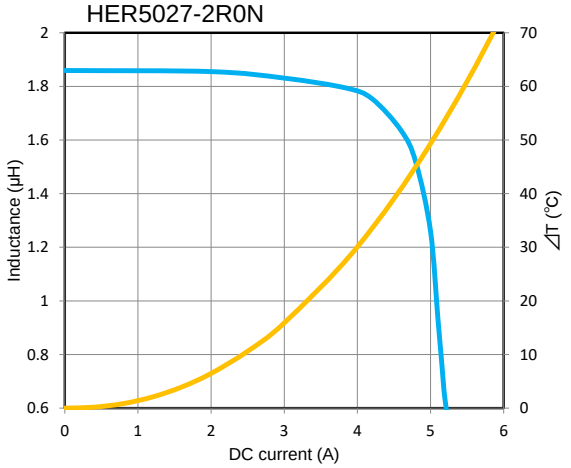

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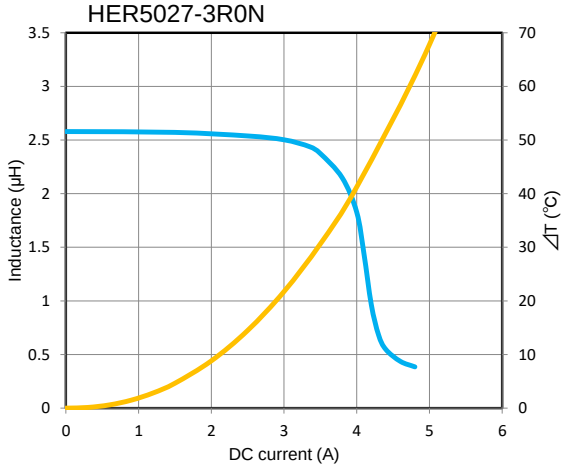

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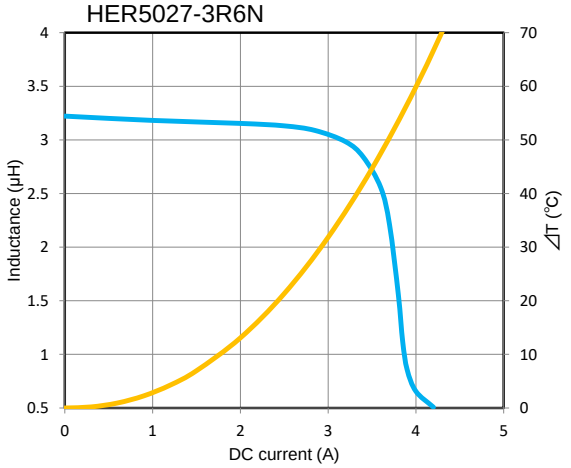

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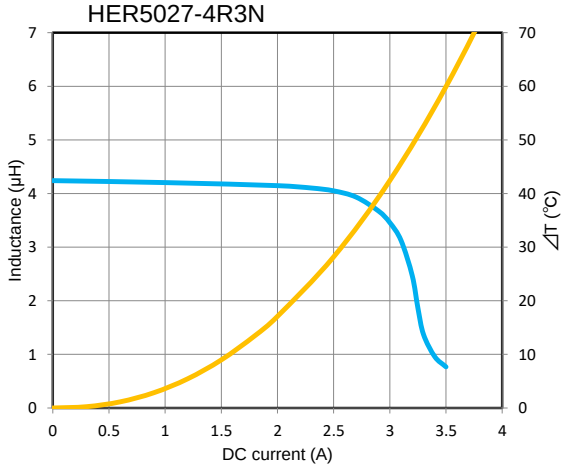
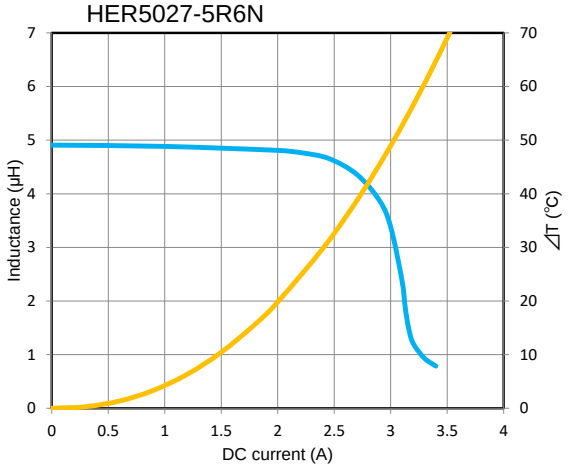


DC bias characteristics vs Temperature Rise Graph

L(25°C) ⊿T

HER5027-5R6N



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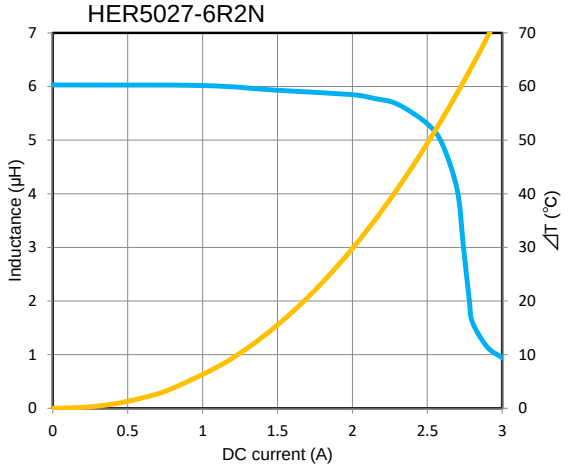

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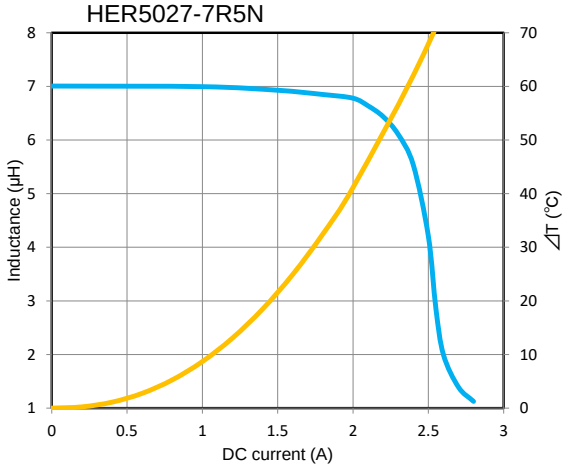
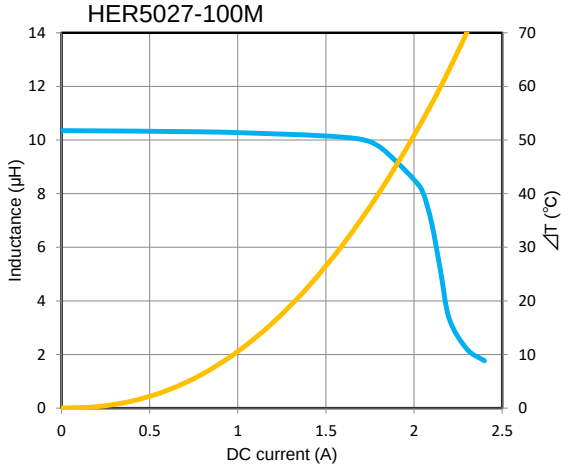


HER5027-100M



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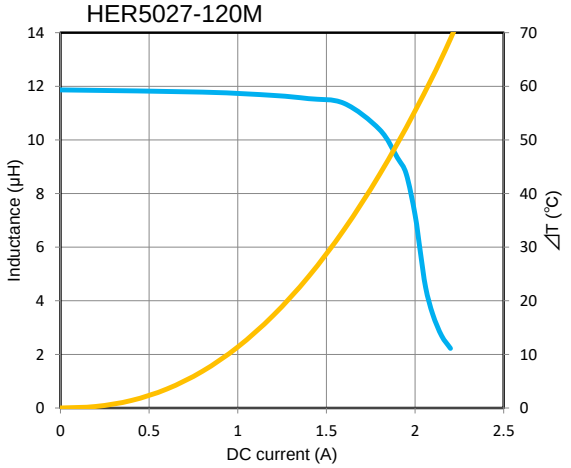

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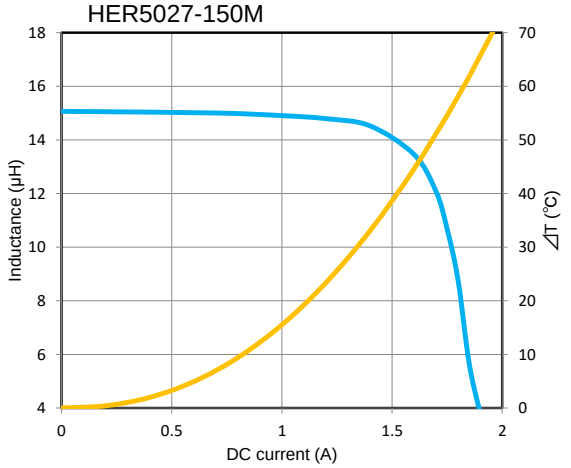
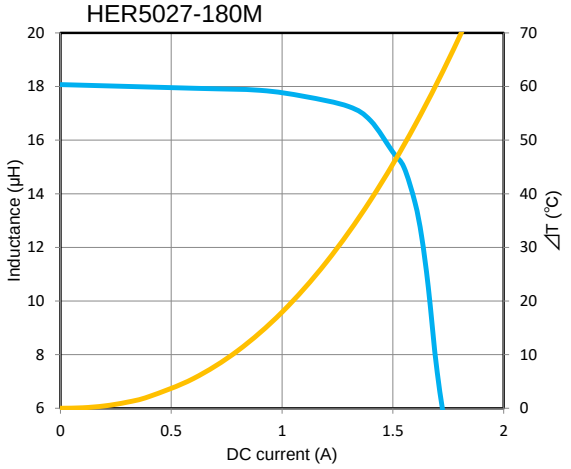


DC bias characteristics vs Temperature Rise Graph

L(25°C)　　⊿T

HER5027-180M



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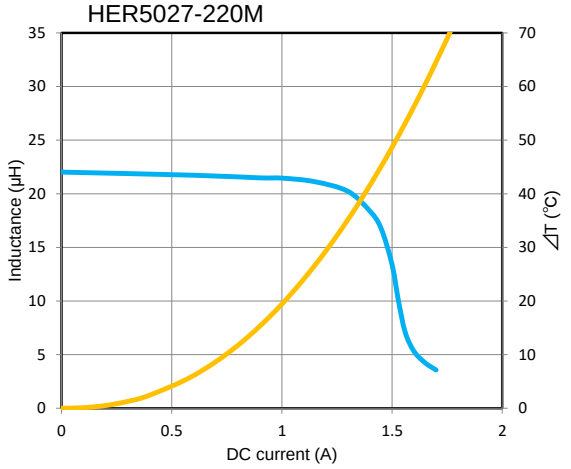

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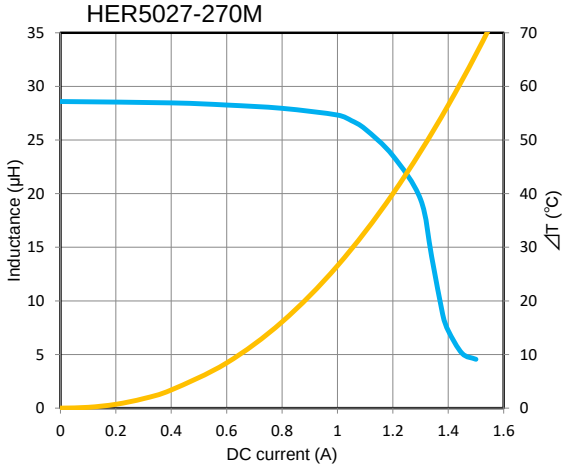

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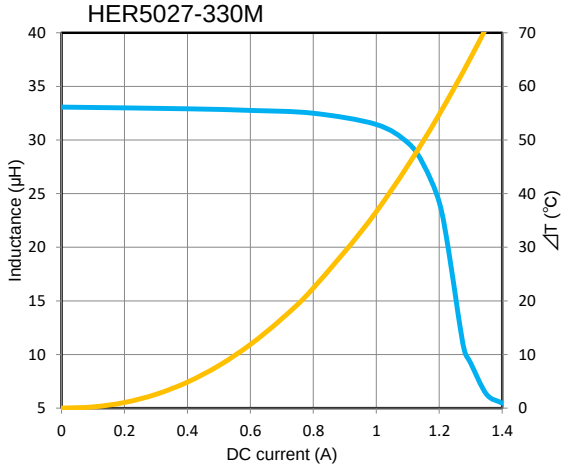

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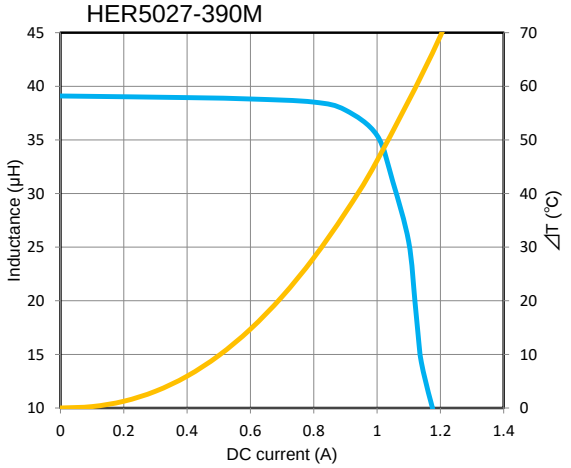

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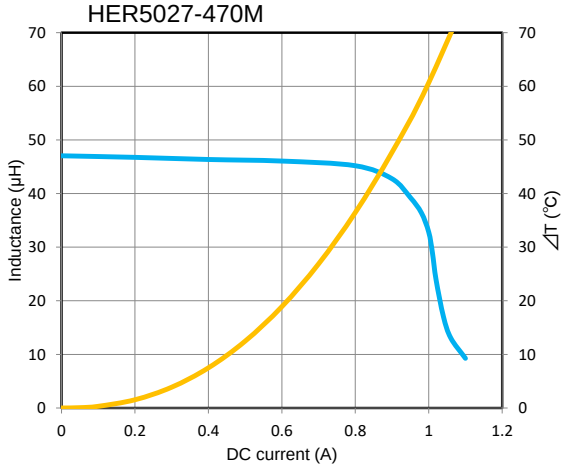
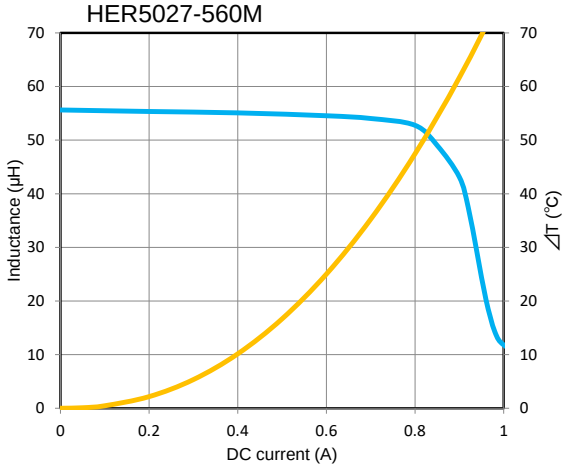


DC bias characteristics vs Temperature Rise Graph

L(25°C) ⊿T

HER5027-560M



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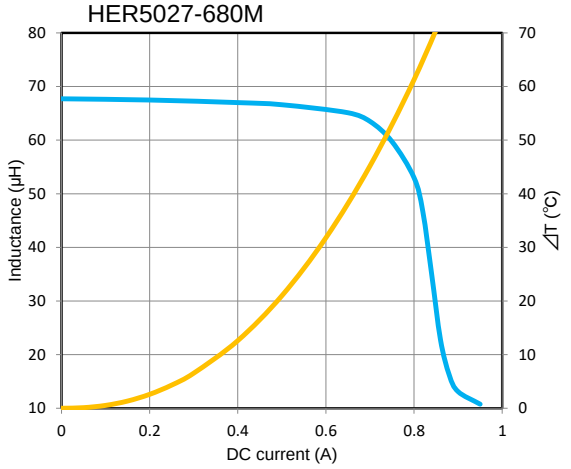

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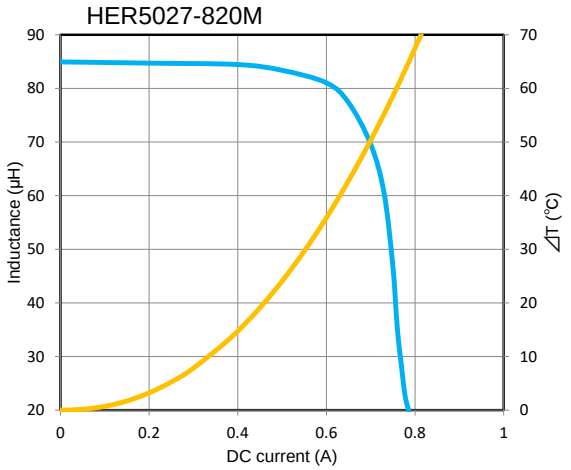

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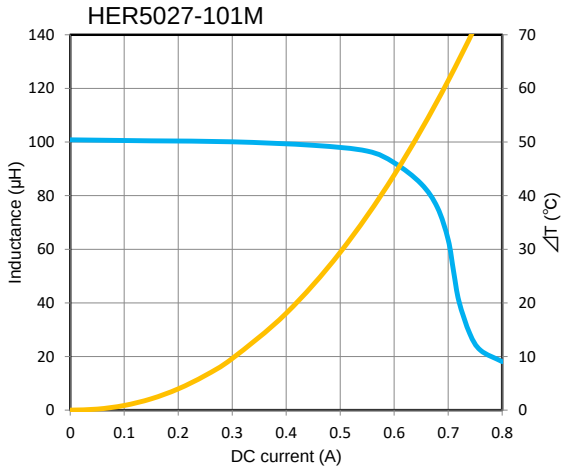

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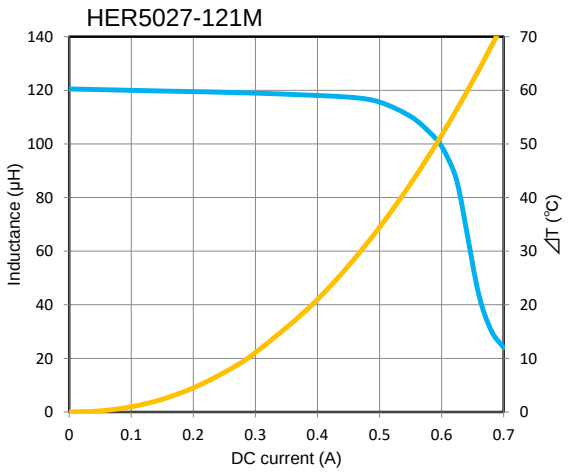

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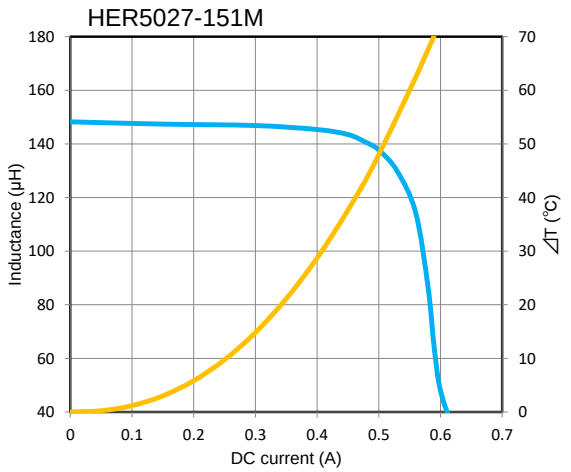
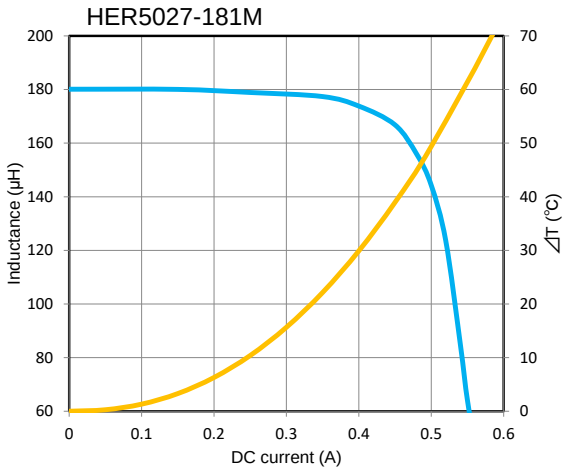


DC bias characteristics vs Temperature Rise Graph

L(25℃)　　⊿T