HER6027C

AEC-Q200

■ Features

- High reliability available for automotive application.
- High current
- SMD magnetic shielded type of power inductor.
- Suitable for power supply choke coil.
- AEC-Q200 compliant
- Operating temperature：-40℃～+150℃(The self-heating is included)

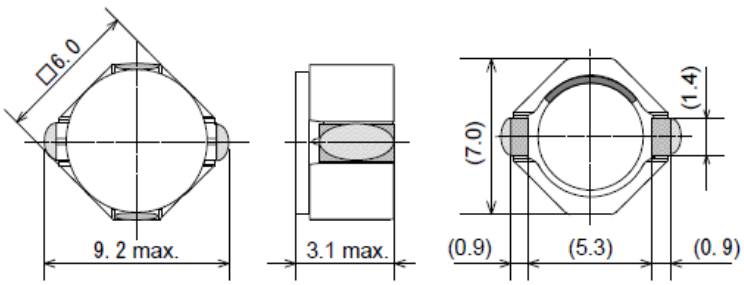
Magnetic structure：

Weight： 0.36 g

■ Applications

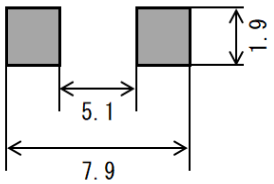
- Automotive/ECU,LED Headlights,Car Audio,Car Navigation
- Others/Power Supply,FA

■ Dimensions



(Unit：mm)

■ Recommended Land Pattern



(Unit：mm)

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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

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

■ Specifications

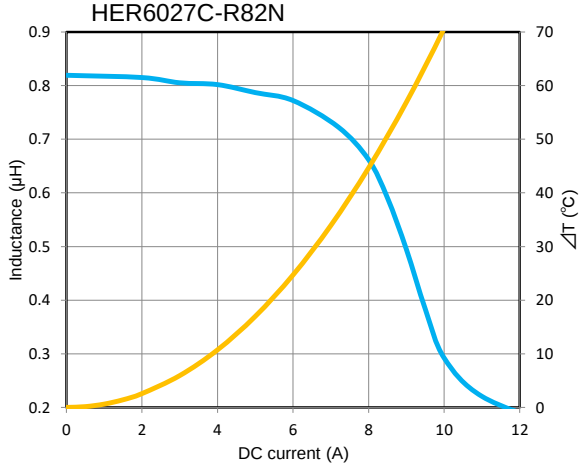
SAGAMI Part No.	Inductance (μH)	DCR (Ω) ±30%	DC Saturation Allowable Current (mA)	Temperature Rise Allowable Current (mA)
HER6027C-R82N	0.82±30%	0.00700	7.20	6.70
HER6027C-1R3N	1.3±30%	0.00900	5.50	6.20
HER6027C-2R0N	2±30%	0.0120	5.00	5.00
HER6027C-3R0N	3±30%	0.0160	3.50	3.50
HER6027C-3R9N	3.9±30%	0.0270	3.20	3.20
HER6027C-4R7N	4.7±30%	0.0320	2.80	2.80
HER6027C-6R2N	6.2±30%	0.0360	2.60	2.60
HER6027C-7R5N	7.5±30%	0.0460	2.30	2.30
HER6027C-9R1N	9.1±30%	0.0560	2.00	2.00
HER6027C-100M	10±20%	0.0670	1.90	1.90
HER6027C-120M	12±20%	0.0720	1.80	1.80
HER6027C-150M	15±20%	0.0800	1.70	1.70
HER6027C-180M	18±20%	0.0900	1.60	1.60
HER6027C-220M	22±20%	0.100	1.50	1.50
HER6027C-270M	27±20%	0.130	1.30	1.30
HER6027C-330M	33±20%	0.160	1.10	1.10
HER6027C-390M	39±20%	0.200	1.00	1.00
HER6027C-470M	47±20%	0.240	0.900	0.900

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℃

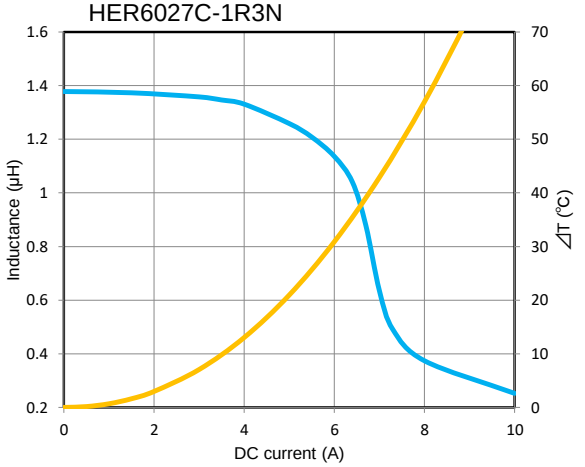
DC bias characteristics vs Temperature Rise Graph

L(25℃)　　⊿T

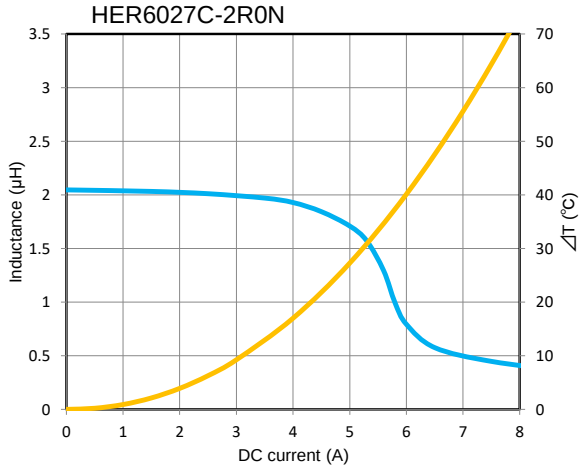
HER6027C-R82N



HER6027C-1R3N



HER6027C-2R0N



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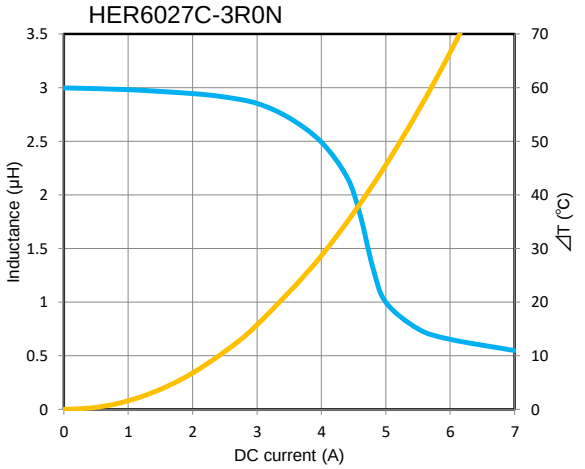

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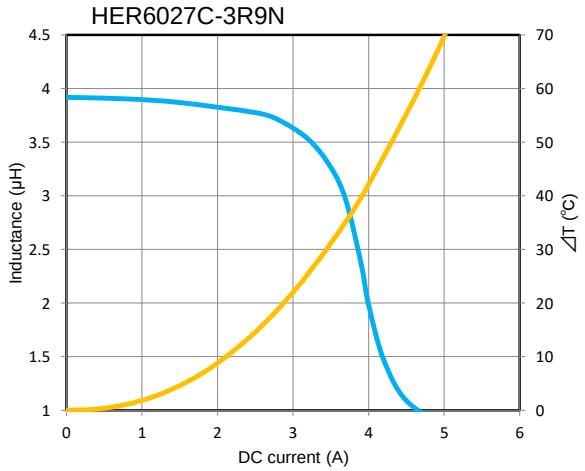

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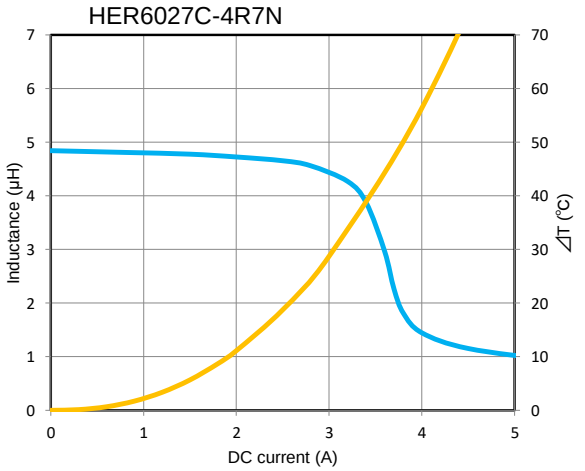
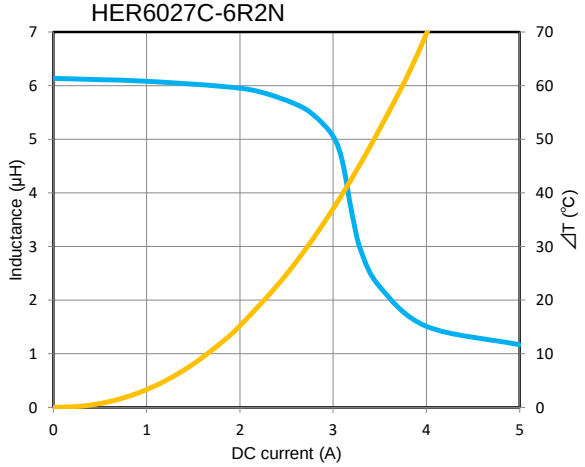


DC bias characteristics vs Temperature Rise Graph

L(25℃)　　⊿T

HER6027C-6R2N



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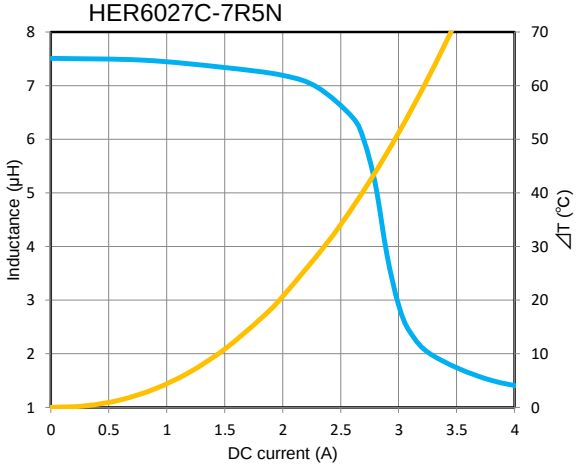

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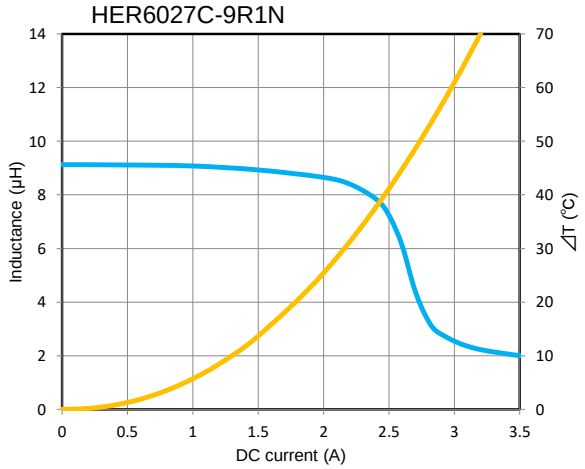
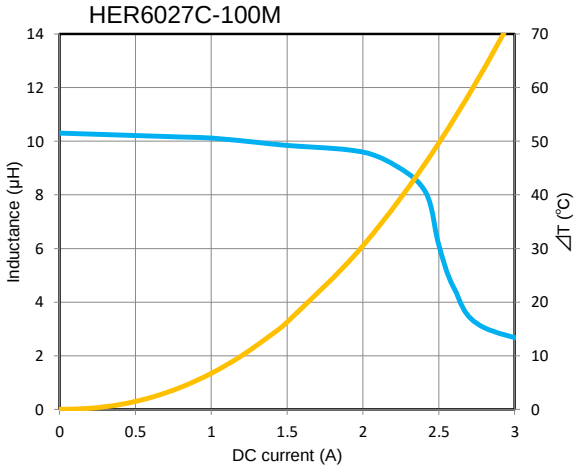


HER6027C-100M



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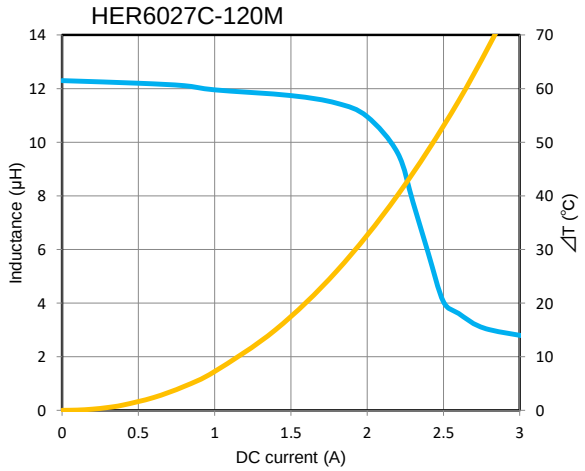

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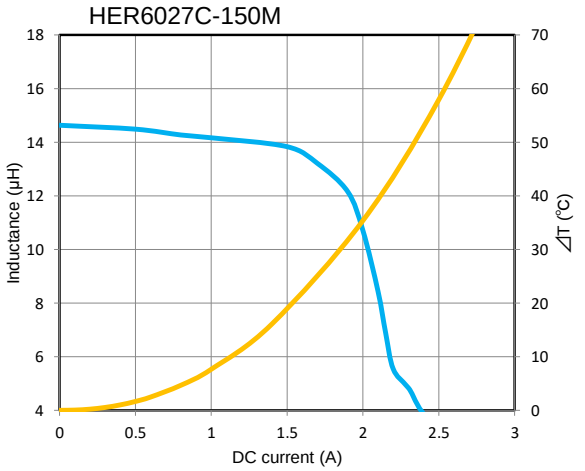
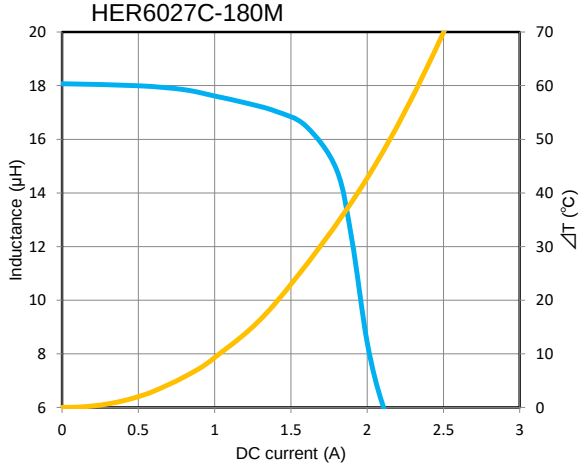


DC bias characteristics vs Temperature Rise Graph

L(25℃)　　⊿T

HER6027C-180M



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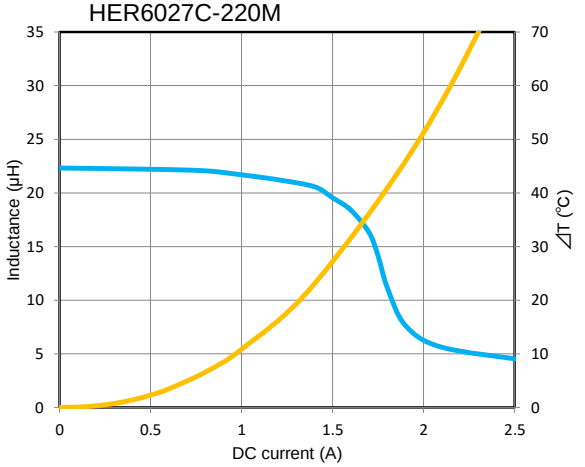

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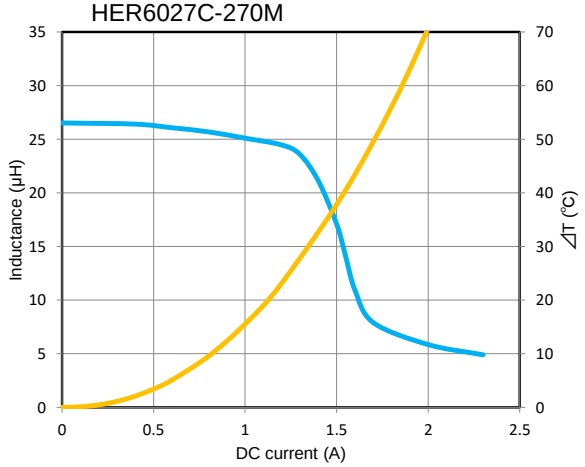
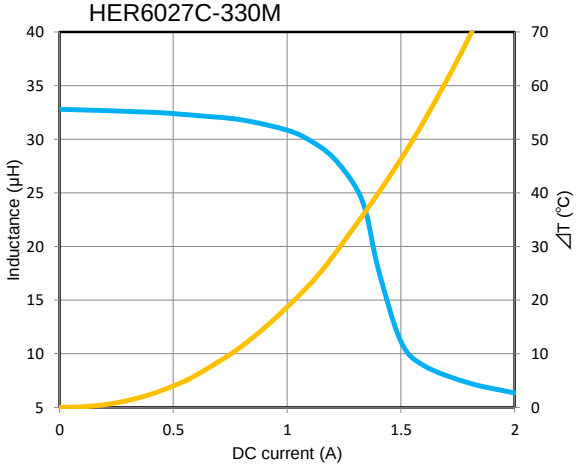


HER6027C-330M



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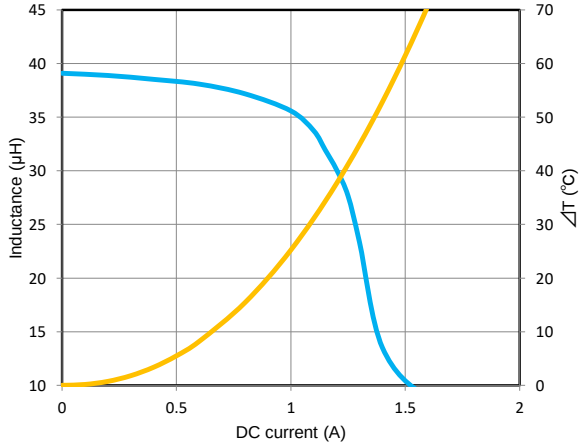
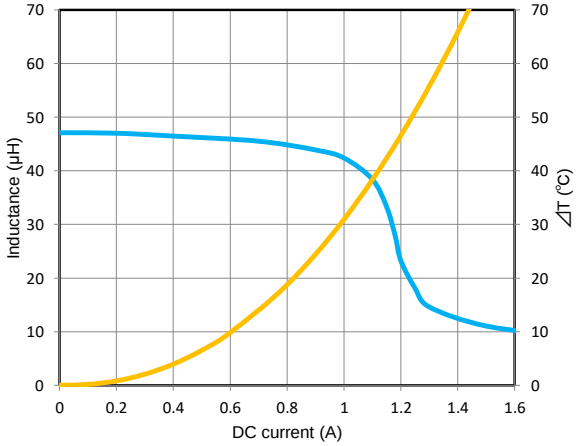
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