

CER3017C

AEC-Q200



■ Features

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

Magnetic structure :

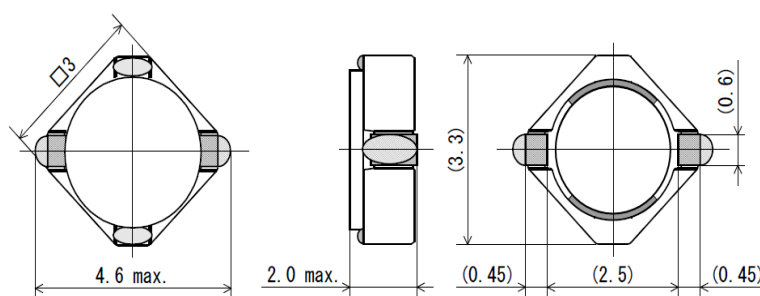


Weight : 0.06 g

■ Applications

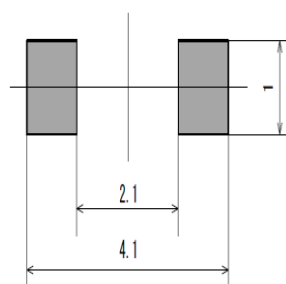
- Automotive/ECU,LED Headlights,Car Audio,Car Navigation
- Others/Power Supply,FA

■ Dimensions



(Unit : mm)

■ Recommended Land Pattern



(Unit : mm)



SAGAMI ELEC CO., LTD.
<https://www.sagami-elec.co.jp>

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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 (μ H)	DCR (Ω) $\pm 30\%$	DC Saturation Allowable Current (mA)	Temperature Rise Allowable Current (mA)
CER3017C-1R2N	1.2 $\pm 30\%$	0.0330	2.20	2.20
CER3017C-1R5N	1.5 $\pm 30\%$	0.0370	2.00	2.00
CER3017C-2R0N	2 $\pm 30\%$	0.0470	1.90	1.90
CER3017C-2R4N	2.4 $\pm 30\%$	0.0510	1.80	1.80
CER3017C-3R6N	3.6 $\pm 30\%$	0.0780	1.50	1.50
CER3017C-4R7N	4.7 $\pm 30\%$	0.100	1.20	1.20
CER3017C-5R6N	5.6 $\pm 30\%$	0.120	1.10	1.10
CER3017C-6R8N	6.8 $\pm 30\%$	0.140	1.05	1.05
CER3017C-8R2N	8.2 $\pm 30\%$	0.170	0.950	0.950
CER3017C-100M	10 $\pm 20\%$	0.200	0.900	0.900
CER3017C-120M	12 $\pm 20\%$	0.270	0.750	0.750
CER3017C-150M	15 $\pm 20\%$	0.310	0.650	0.650
CER3017C-180M	18 $\pm 20\%$	0.400	0.620	0.620
CER3017C-220M	22 $\pm 20\%$	0.470	0.570	0.570
CER3017C-270M	27 $\pm 20\%$	0.640	0.500	0.500
CER3017C-330M	33 $\pm 20\%$	0.700	0.460	0.460
CER3017C-390M	39 $\pm 20\%$	0.800	0.440	0.440
CER3017C-470M	47 $\pm 20\%$	1.10	0.390	0.390
CER3017C-560M	56 $\pm 20\%$	1.20	0.350	0.350

Inductance Measuring Condition:100kHz,1V(<10 μ H)、1kHz,1V($\geq 10\mu$ H)

DC saturation allowable current:The current value which inductance decrease within 35% from the initial value

Temperature rise allowable current:The rise in temperature of core surface is within 40°C



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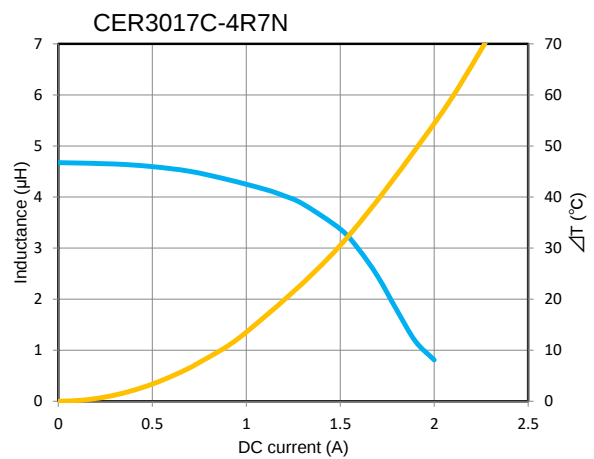
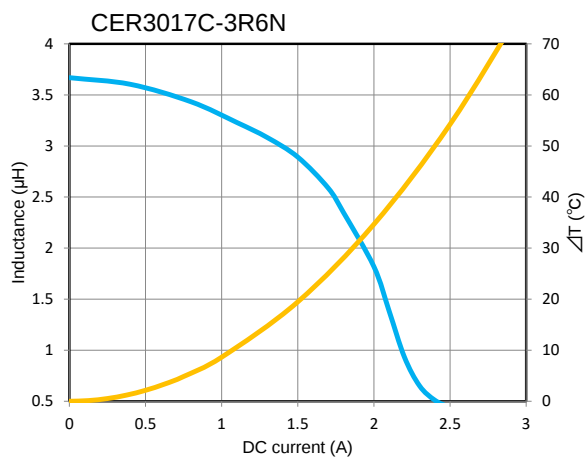
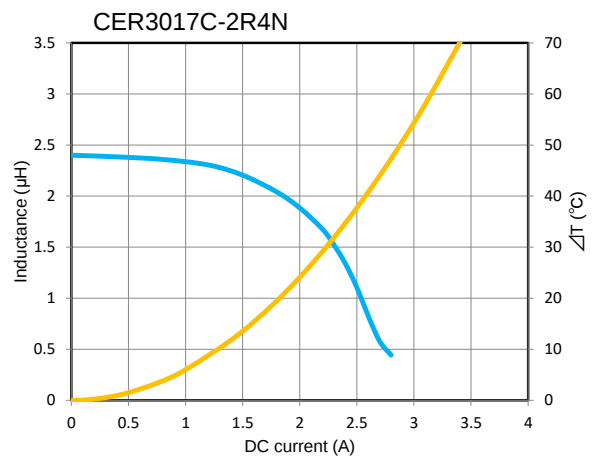
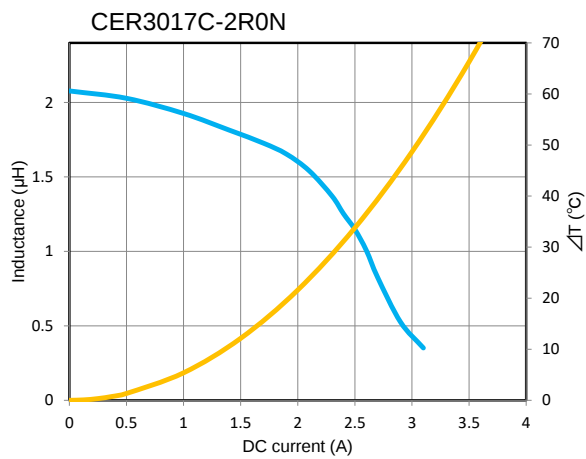
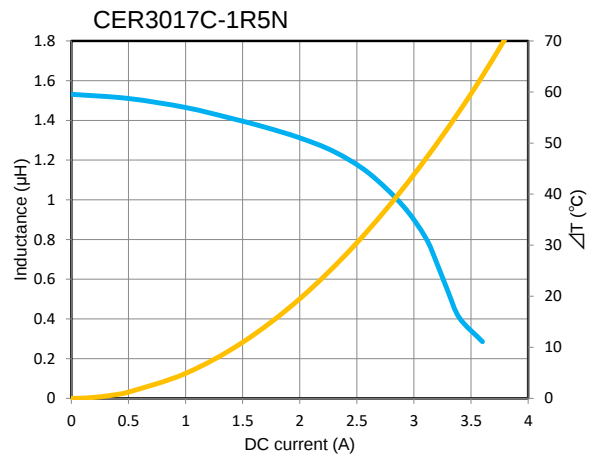
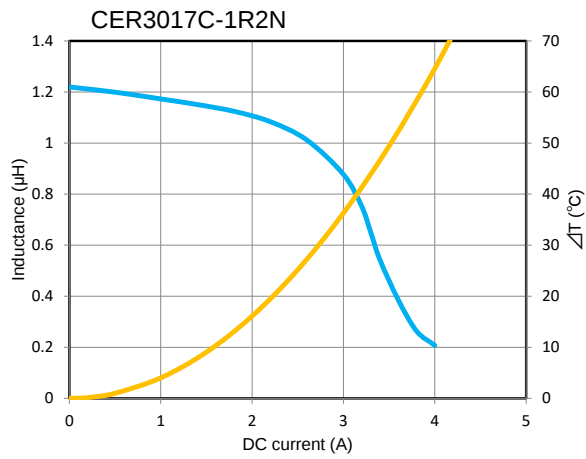
DC bias characteristics vs Temperature Rise Graph



L(25°C)



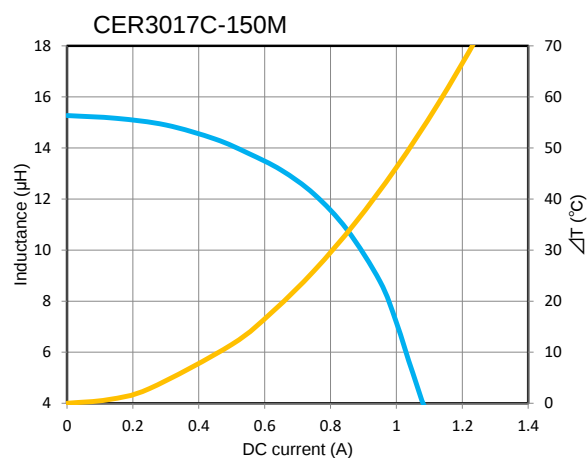
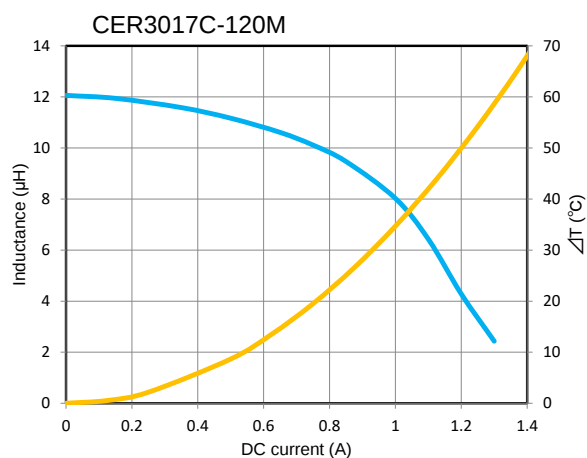
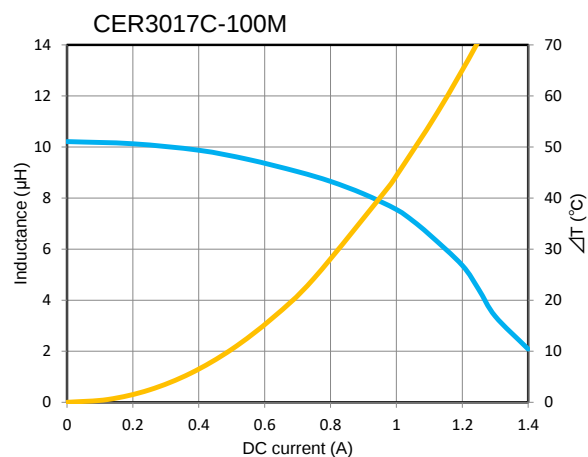
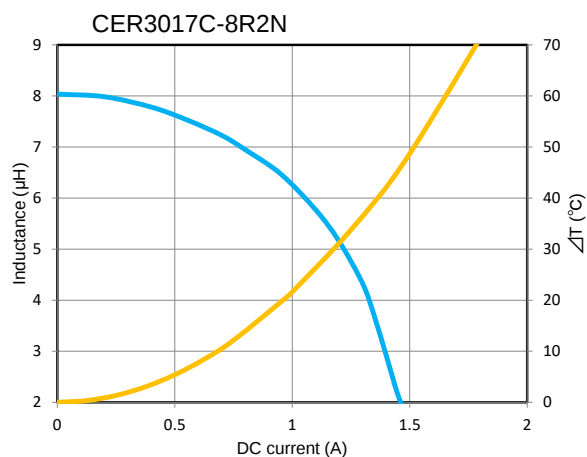
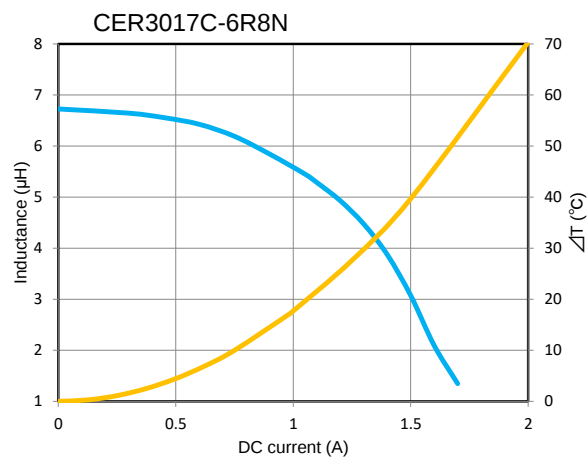
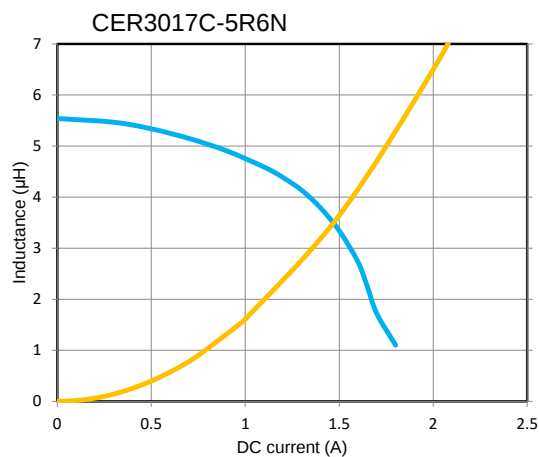
ΔT



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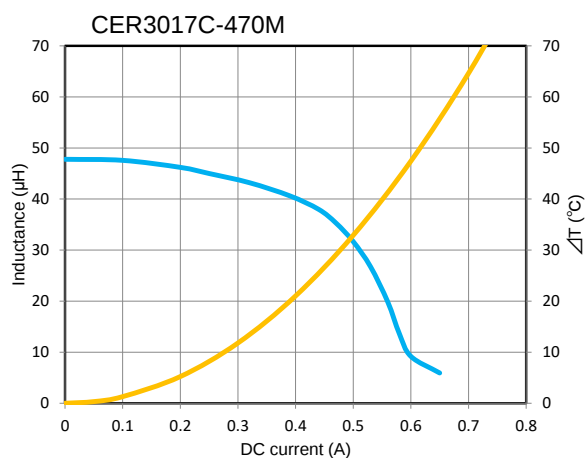
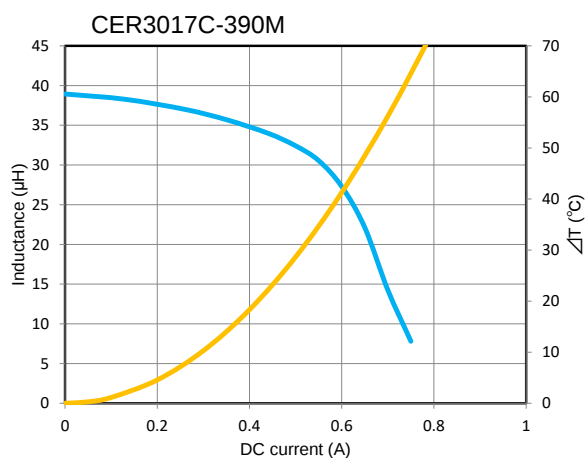
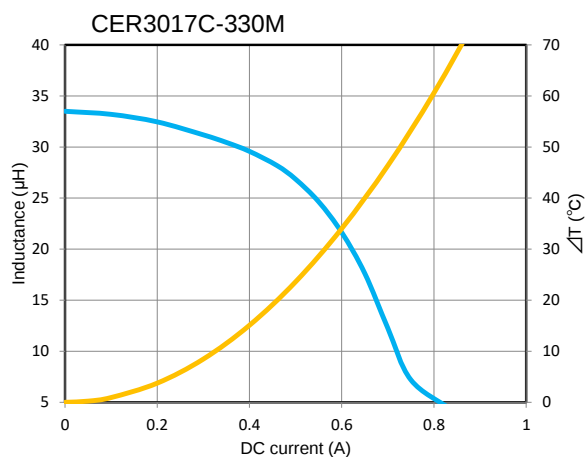
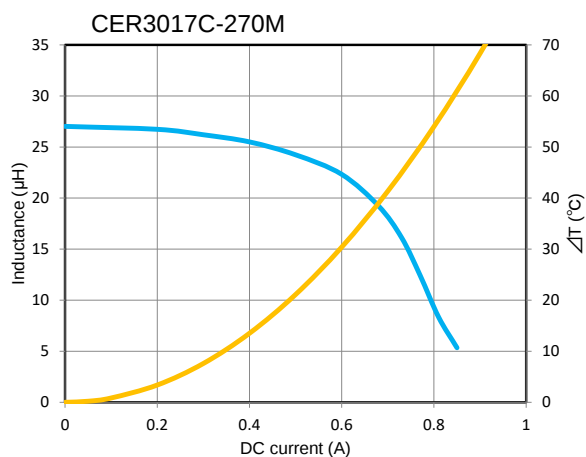
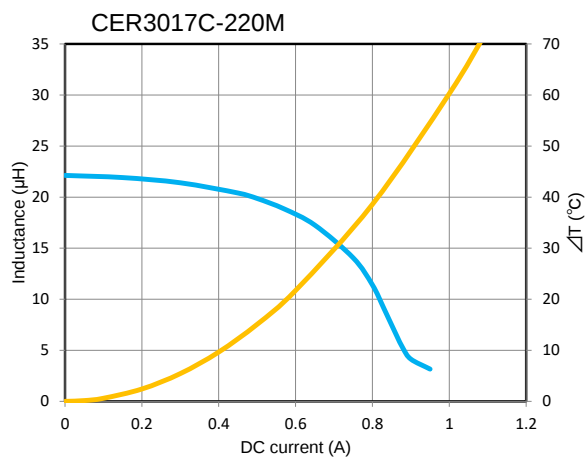
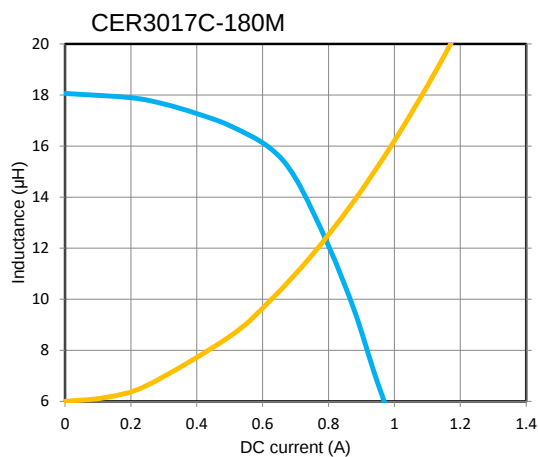
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