

7E06LB



■ Features

- SMD magnetically shielded type of power inductor
- Suitable as power supply choke coil
- Powered DC Current

Magnetic structure :

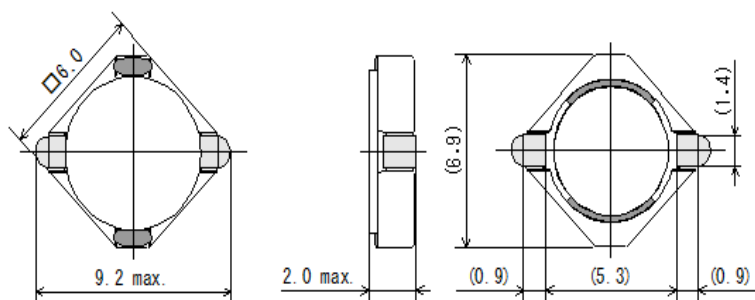


Weight : 0.21 g

■ Applications

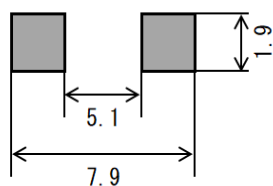
- Audio Visual/Camera, Recorder, TV and Monitor
- Automotive/Antenna
- Computer & Peripheral Device/Printer(MFP), Industrial Machines, Computer
- Home Electronics/LED Lights
- Others/FA, Medical, Energy, Power Supply, Transceivers

■ 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) $\pm 30\%$	DC Saturation Allowable Current (A)	Temperature Rise Allowable Current (A)
7E06LB-1R2N	1.2 $\pm 30\%$	0.0140	3.10	4.10
7E06LB-1R8N	1.8 $\pm 30\%$	0.0200	2.40	3.40
7E06LB-2R4N	2.4 $\pm 30\%$	0.0270	2.20	3.00
7E06LB-3R3N	3.3 $\pm 30\%$	0.0370	2.00	2.60
7E06LB-4R3N	4.3 $\pm 30\%$	0.0500	1.70	2.20
7E06LB-5R6N	5.6 $\pm 30\%$	0.0570	1.50	2.00
7E06LB-6R8N	6.8 $\pm 30\%$	0.0770	1.40	1.60
7E06LB-8R2N	8.2 $\pm 30\%$	0.0850	1.30	1.50
7E06LB-100M	10 $\pm 20\%$	0.120	1.10	1.30
7E06LB-120M	12 $\pm 20\%$	0.130	1.00	1.20
7E06LB-150M	15 $\pm 20\%$	0.170	0.900	1.10
7E06LB-180M	18 $\pm 20\%$	0.190	0.850	1.00
7E06LB-220M	22 $\pm 20\%$	0.230	0.750	0.900
7E06LB-270M	27 $\pm 20\%$	0.270	0.650	0.850
7E06LB-330M	33 $\pm 20\%$	0.380	0.600	0.680
7E06LB-390M	39 $\pm 20\%$	0.420	0.570	0.650
7E06LB-470M	47 $\pm 20\%$	0.470	0.530	0.610
7E06LB-560M	56 $\pm 20\%$	0.690	0.500	0.500
7E06LB-680M	68 $\pm 20\%$	0.790	0.440	0.460
7E06LB-820M	82 $\pm 20\%$	0.880	0.400	0.440

Inductance Measuring Condition: 100kHz, 1V ($< 10\mu\text{H}$), 1kHz, 1V ($\geq 10\mu\text{H}$)

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 25°C



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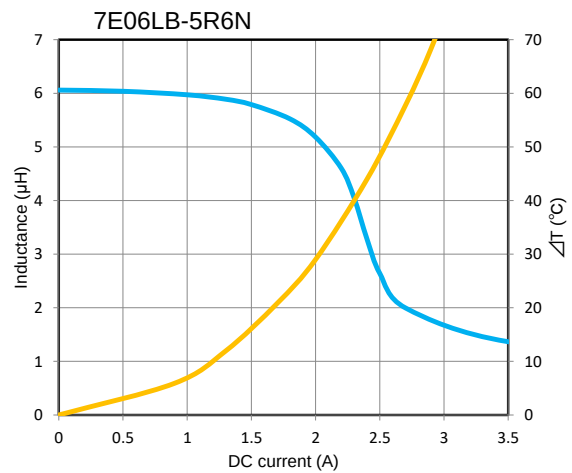
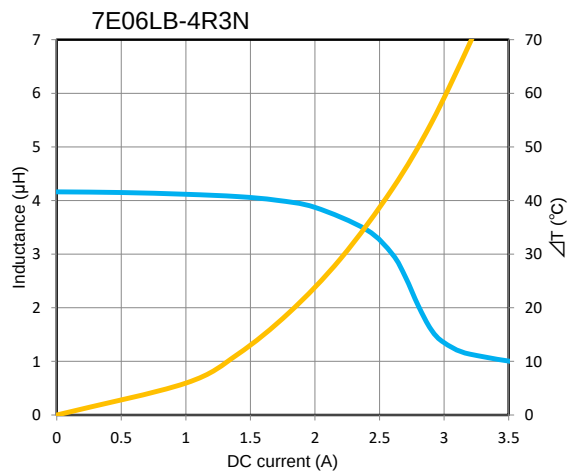
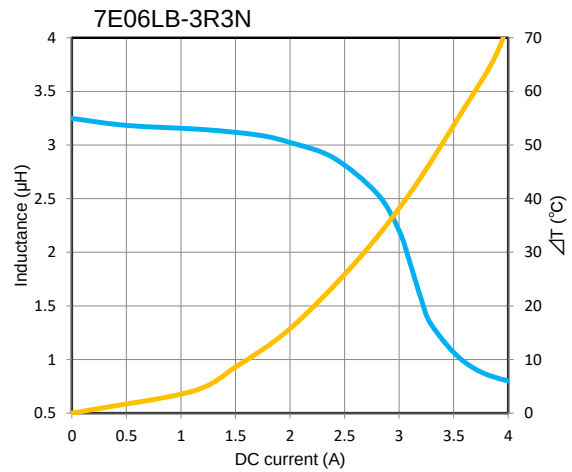
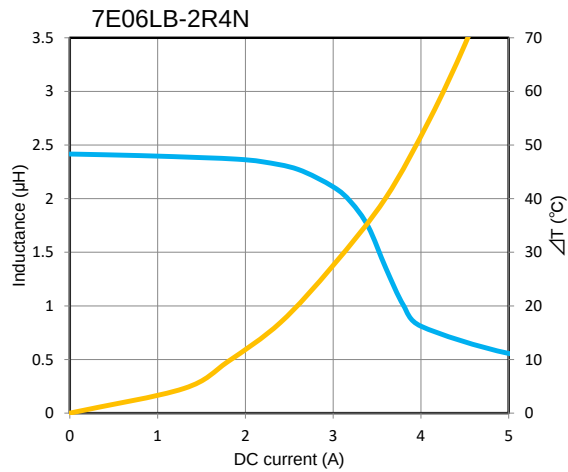
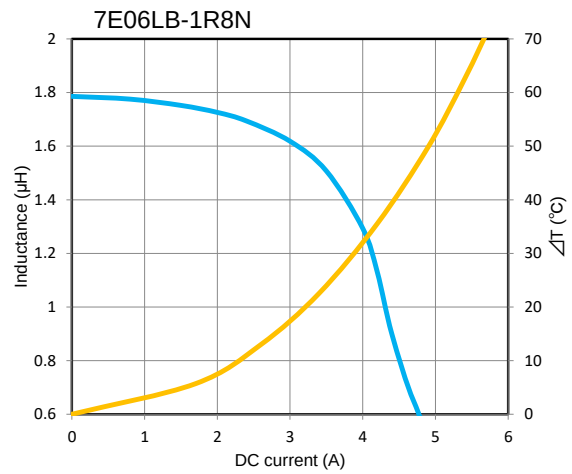
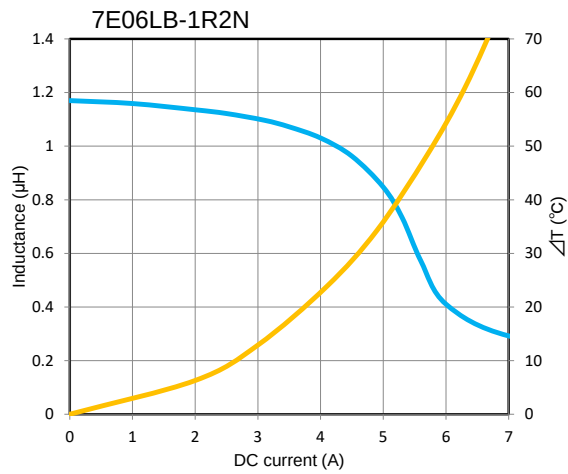
DC bias characteristics vs Temperature Rise Graph



L(25°C)



ΔT



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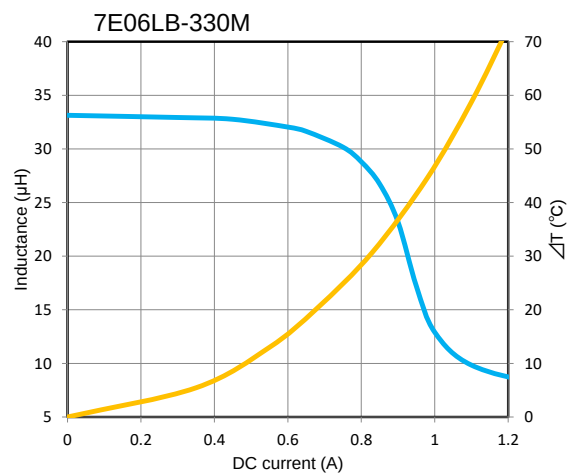
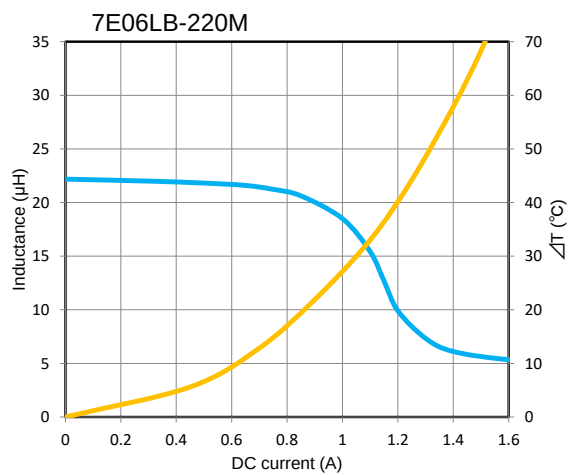
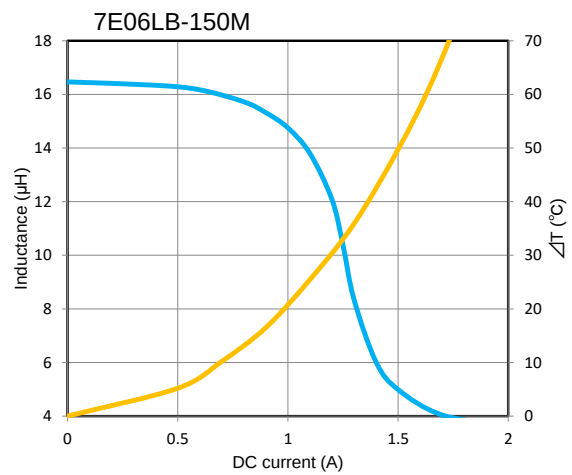
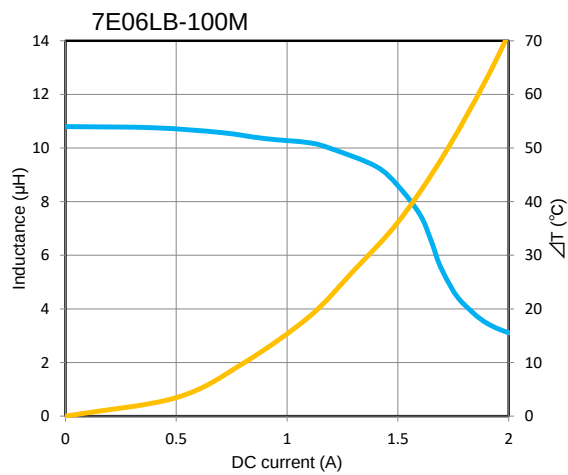
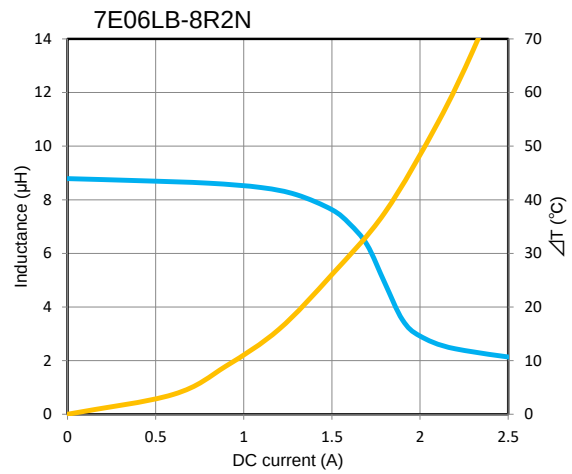
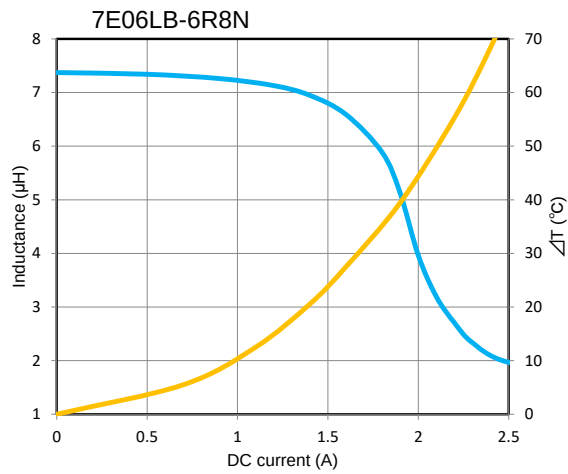
DC bias characteristics vs Temperature Rise Graph



L(25°C)



ΔT



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DC bias characteristics vs Temperature Rise Graph

■ $L(25^{\circ}\text{C})$ ■ ΔT

