

7E04NB



■ Features

- SMD magnetic shielded type of power inductor
- Suitable for power supply choke coil
- Available in 3 types of electronic characteristics
- Powered DC Current

Magnetic structure :

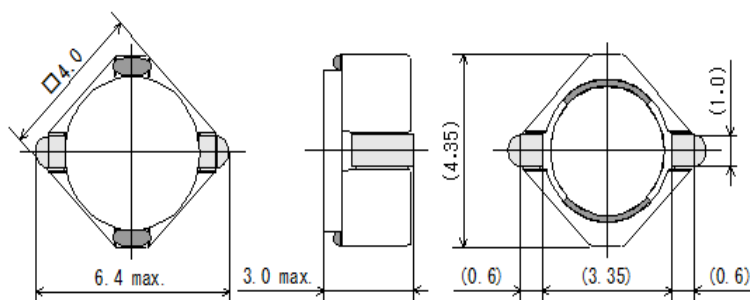


Weight : 0.13 g

■ Applications

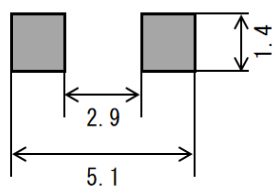
- Audio Visual/Camera, Portable Audio
- Computer & Peripheral Device/Computer, Printer(MFP)
- Others/FA, Medical, Energy, Power Supply, Transceivers

■ Dimensions



(Unit : mm)

■ Recommended Land Pattern



(Unit : mm)



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

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■ Specifications

SAGAMI Part No.	Inductance (μH)	DCR (Ω) $\pm 30\%$	DC Saturation Allowable Current (A)	Temperature Rise Allowable Current (A)
7E04NB-1R5N	1.5 $\pm 30\%$	0.0170	2.30	3.10
7E04NB-1R8N	1.8 $\pm 30\%$	0.0190	2.10	2.90
7E04NB-2R4N	2.4 $\pm 30\%$	0.0240	1.90	2.60
7E04NB-3R6N	3.6 $\pm 30\%$	0.0320	1.60	2.20
7E04NB-4R3N	4.3 $\pm 30\%$	0.0360	1.40	2.10
7E04NB-5R1N	5.1 $\pm 30\%$	0.0430	1.20	1.90
7E04NB-6R8N	6.8 $\pm 30\%$	0.0580	1.10	1.70
7E04NB-8R2N	8.2 $\pm 30\%$	0.0720	1.05	1.50
7E04NB-100M	10 $\pm 20\%$	0.100	1.00	1.30
7E04NB-120M	12 $\pm 20\%$	0.120	0.900	1.10
7E04NB-150M	15 $\pm 20\%$	0.140	0.800	1.00
7E04NB-180M	18 $\pm 20\%$	0.160	0.700	0.950
7E04NB-220M	22 $\pm 20\%$	0.200	0.650	0.850
7E04NB-270M	27 $\pm 20\%$	0.240	0.560	0.800
7E04NB-330M	33 $\pm 20\%$	0.300	0.530	0.700
7E04NB-390M	39 $\pm 20\%$	0.370	0.490	0.650
7E04NB-470M	47 $\pm 20\%$	0.420	0.450	0.600
7E04NB-560M	56 $\pm 20\%$	0.530	0.400	0.550
7E04NB-680M	68 $\pm 20\%$	0.590	0.360	0.500
7E04NB-820M	82 $\pm 20\%$	0.770	0.330	0.450
7E04NB-101M	100 $\pm 20\%$	0.860	0.270	0.400

Inductance Measuring Condition: 100kHz, 1V(<10 μH), 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



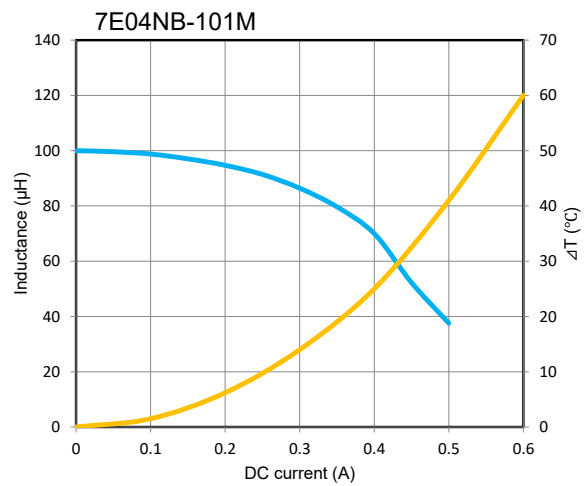
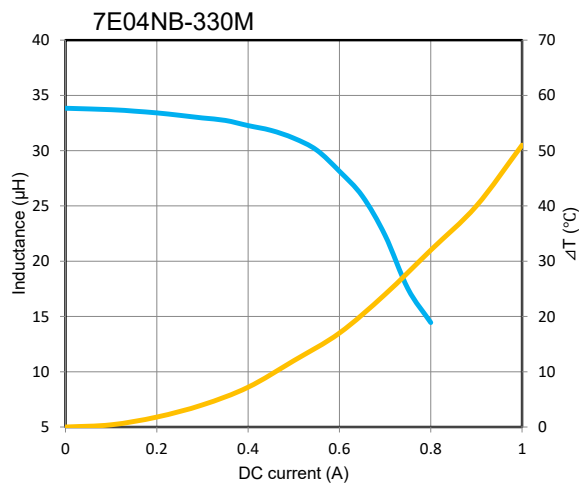
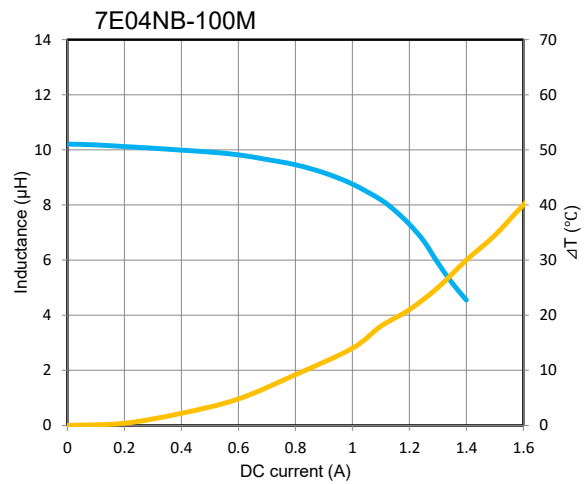
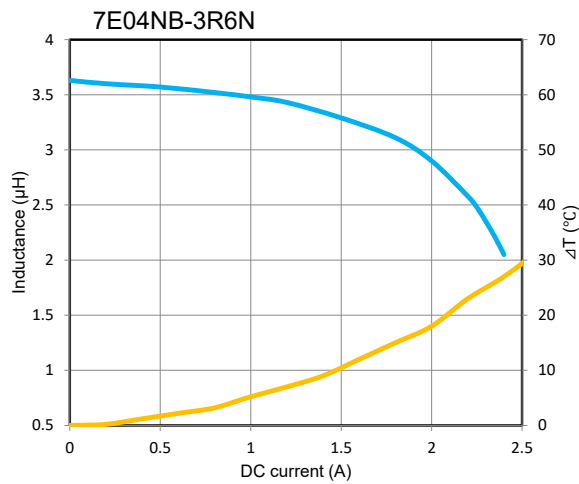
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DC bias characteristics vs Temperature Rise Graph

■ L(25°C) ■ ΔT



未掲載の定数については現在準備中ですが、ご依頼いただけましたら優先的にご用意いたします。
Unlisted constants are currently being prepared, but will be given priority if requested.



サガミ エレク株式会社
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