

- 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 : 0.09 g

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

The technical drawing illustrates a hexagonal nut through three distinct views:

- Top View (Left):** Shows the hexagonal shape with a central circular hole. The outer width across flats is dimensioned as 6.4 max. . The thickness of the nut is indicated by a diagonal dimension line labeled $\square 4.0$.
- Side View (Middle):** A cross-sectional view showing the internal thread profile. The total height of the nut is dimensioned as 1.8 max. .
- Front View (Right):** Another cross-sectional view showing the hexagonal outline and the central hole. Key dimensions include:
 - A vertical dimension of (4.35) from the centerline to the top flat surface.
 - A horizontal dimension of (1.0) from the centerline to the right flat surface.
 - Horizontal dimensions at the base: (0.6) from the centerline to each corner, and (3.35) between the corners.

(Unit : mm)

A diagram of a composite figure consisting of two rectangles. The total width of the figure is labeled as 5.1. The distance between the inner vertical sides of the two rectangles is labeled as 2.9. The height of the right rectangle is labeled as 1.4. The left rectangle is shaded gray, and the right rectangle is white with a black outline.

(Unit : mm)



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■ Specifications

SAGAMI Part No.	Inductance (μH)	DCR (Ω) $\pm 30\%$	DC Saturation Allowable Current (A)	Temperature Rise Allowable Current (A)
7E04SB-1R5N	1.5 $\pm 30\%$	0.0250	1.80	2.60
7E04SB-1R8N	1.8 $\pm 30\%$	0.0370	1.60	2.10
7E04SB-2R4N	2.4 $\pm 30\%$	0.0450	1.50	1.90
7E04SB-3R6N	3.6 $\pm 30\%$	0.0600	1.20	1.60
7E04SB-4R3N	4.3 $\pm 30\%$	0.0750	1.10	1.40
7E04SB-5R6N	5.6 $\pm 30\%$	0.100	0.950	1.20
7E04SB-6R8N	6.8 $\pm 30\%$	0.110	0.900	1.10
7E04SB-8R2N	8.2 $\pm 30\%$	0.130	0.800	1.00
7E04SB-100M	10 $\pm 20\%$	0.160	0.700	0.900
7E04SB-120M	12 $\pm 20\%$	0.200	0.650	0.850
7E04SB-150M	15 $\pm 20\%$	0.250	0.600	0.750
7E04SB-180M	18 $\pm 20\%$	0.280	0.540	0.700
7E04SB-220M	22 $\pm 20\%$	0.370	0.500	0.650
7E04SB-270M	27 $\pm 20\%$	0.420	0.450	0.550

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



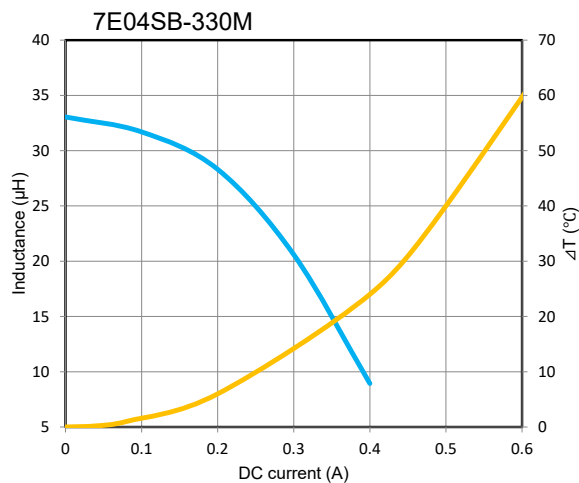
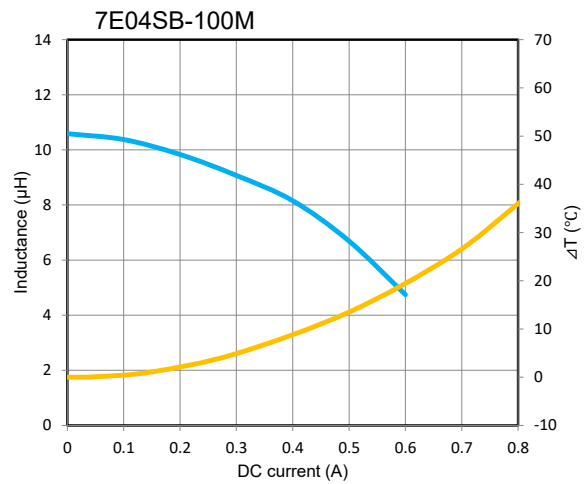
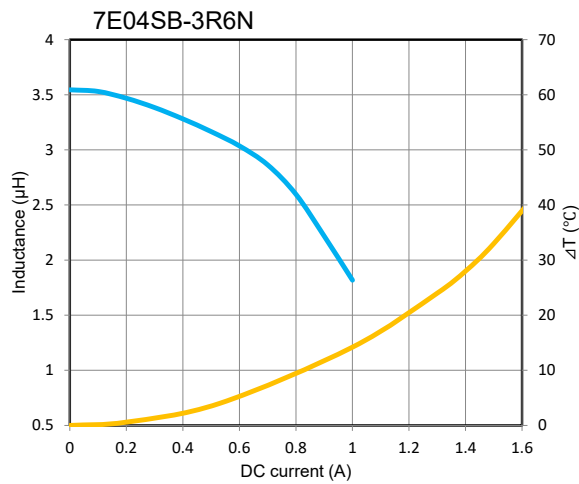
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DC bias characteristics vs Temperature Rise Graph

■ $L(25^{\circ}\text{C})$ ■ 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.



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