

7E04LB



■ 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 :

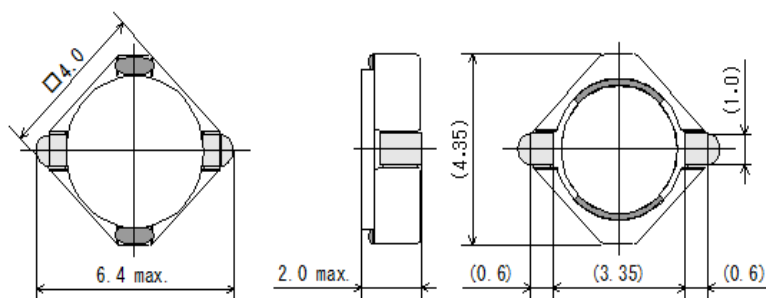


Weight : 0.09 g

■ Applications

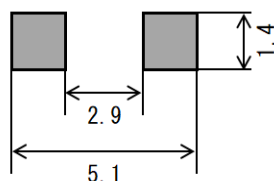
- Audio Visual/Camera, Portable Audio
- Computer & Peripheral Device/Computer, Printer(MFP)
- Others/FA, Medical, Energy, Power Supply, Transceivers

■ 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)
7E04LB-1R5N	1.5 $\pm 30\%$	0.0200	2.00	2.90
7E04LB-1R8N	1.8 $\pm 30\%$	0.0260	1.70	2.50
7E04LB-2R4N	2.4 $\pm 30\%$	0.0320	1.60	2.20
7E04LB-3R6N	3.6 $\pm 30\%$	0.0480	1.30	1.90
7E04LB-4R3N	4.3 $\pm 30\%$	0.0600	1.20	1.70
7E04LB-5R1N	5.1 $\pm 30\%$	0.0710	1.05	1.50
7E04LB-6R8N	6.8 $\pm 30\%$	0.0920	0.930	1.30
7E04LB-8R2N	8.2 $\pm 30\%$	0.110	0.850	1.10
7E04LB-100M	10 $\pm 20\%$	0.130	0.750	1.00
7E04LB-120M	12 $\pm 20\%$	0.170	0.700	0.950
7E04LB-150M	15 $\pm 20\%$	0.220	0.600	0.850
7E04LB-180M	18 $\pm 20\%$	0.240	0.560	0.800
7E04LB-220M	22 $\pm 20\%$	0.300	0.520	0.700
7E04LB-270M	27 $\pm 20\%$	0.340	0.480	0.650
7E04LB-330M	33 $\pm 20\%$	0.460	0.430	0.580
7E04LB-390M	39 $\pm 20\%$	0.500	0.390	0.530

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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