

7E04NS



■ Features

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

Magnetic structure :

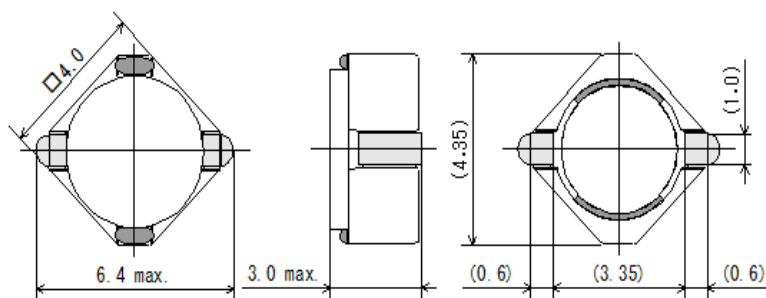


Weight : 0.13 g

■ Applications

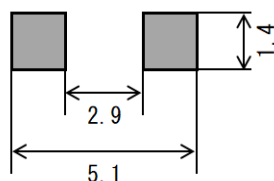
- Audio Visual/Camera, Portable Audio
- Computer & Peripheral Device/Computer, Printer(MFP)
- Others/FA, Medical, Energy, Power Supply, Transceivers

■ 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 (μ H)	DCR (Ω) $\pm 30\%$	DC Saturation Allowable Current (A)	Temperature Rise Allowable Current (A)
7E04NS-1R5N	1.5 $\pm 30\%$	0.0120	1.20	3.80
7E04NS-1R8N	1.8 $\pm 30\%$	0.0150	1.10	3.50
7E04NS-2R4N	2.4 $\pm 30\%$	0.0170	1.00	3.30
7E04NS-3R6N	3.6 $\pm 30\%$	0.0220	0.800	2.90
7E04NS-4R3N	4.3 $\pm 30\%$	0.0240	0.750	2.80
7E04NS-5R1N	5.1 $\pm 30\%$	0.0270	0.650	2.60
7E04NS-6R8N	6.8 $\pm 30\%$	0.0340	0.550	2.30
7E04NS-7R5N	7.5 $\pm 30\%$	0.0370	0.500	2.20
7E04NS-100M	10 $\pm 20\%$	0.0490	0.460	1.80
7E04NS-120M	12 $\pm 20\%$	0.0610	0.410	1.60
7E04NS-150M	15 $\pm 20\%$	0.0740	0.380	1.50
7E04NS-180M	18 $\pm 20\%$	0.0900	0.360	1.30
7E04NS-220M	22 $\pm 20\%$	0.110	0.330	1.20
7E04NS-270M	27 $\pm 20\%$	0.140	0.290	1.10
7E04NS-330M	33 $\pm 20\%$	0.160	0.260	1.00
7E04NS-390M	39 $\pm 20\%$	0.190	0.240	0.900
7E04NS-470M	47 $\pm 20\%$	0.220	0.230	0.850
7E04NS-560M	56 $\pm 20\%$	0.250	0.200	0.800
7E04NS-680M	68 $\pm 20\%$	0.290	0.180	0.700
7E04NS-820M	82 $\pm 20\%$	0.400	0.170	0.600
7E04NS-101M	100 $\pm 20\%$	0.510	0.150	0.550
7E04NS-121M	120 $\pm 20\%$	0.580	0.140	0.500
7E04NS-151M	150 $\pm 20\%$	0.740	0.130	0.450
7E04NS-181M	180 $\pm 20\%$	0.820	0.110	0.400
7E04NS-221M	220 $\pm 20\%$	1.10	0.100	0.350
7E04NS-271M	270 $\pm 20\%$	1.25	0.0900	0.300

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