

7E05DD



■ Features

- SMD magnetically shielded type of power inductor
- Suitable for power supply choke coil
- Small and low profile

Magnetic structure :

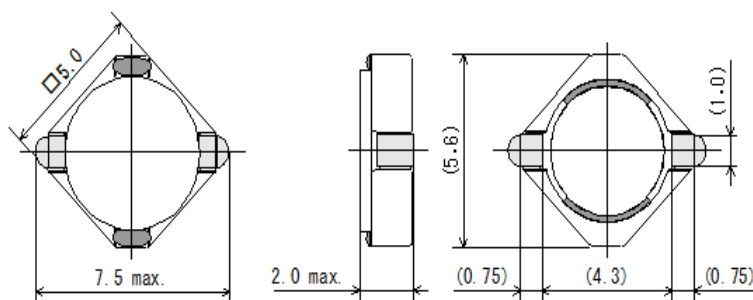


Weight : 0.15 g

■ Applications

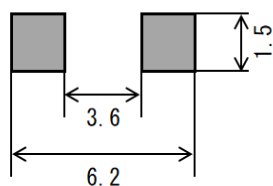
- Audio Visual/Camera, Recorder, TV and Monitor
- Automotive/Antenna
- Computer & Peripheral Device/Printer(MFP), Industrial Machines, Computer
- Home Electronics/LED Lights
- Others/FA, Medical, Energy, Power Supply, Transceivers

■ Dimensions



(Unit : mm)

■ Recommended Land Pattern



(Unit : mm)



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Engineering Dept. TEL : +81 45 521 4543

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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)	
			Typical	Spec	Typical	Spec
7E05DD-1R3N	1.3 $\pm 30\%$	0.0180	4.51	3.15	4.69	3.50
7E05DD-1R8N	1.8 $\pm 30\%$	0.0260	3.71	2.60	4.25	3.10
7E05DD-2R4N	2.4 $\pm 30\%$	0.0330	3.32	2.35	3.48	2.70
7E05DD-3R3N	3.3 $\pm 30\%$	0.0410	2.82	2.05	3.21	2.40
7E05DD-3R9N	3.9 $\pm 30\%$	0.0550	2.54	1.85	2.69	2.10
7E05DD-4R7N	4.7 $\pm 30\%$	0.0630	2.29	1.65	2.34	1.85
7E05DD-5R6N	5.6 $\pm 30\%$	0.0790	2.19	1.55	2.14	1.70
7E05DD-6R8N	6.8 $\pm 30\%$	0.0910	1.93	1.40	2.09	1.60
7E05DD-8R2N	8.2 $\pm 30\%$	0.110	1.79	1.30	1.90	1.45
7E05DD-100M	10 $\pm 20\%$	0.120	1.62	1.15	1.67	1.30
7E05DD-120M	12 $\pm 20\%$	0.160	1.44	1.05	1.53	1.20
7E05DD-150M	15 $\pm 20\%$	0.200	1.23	0.900	1.32	1.05
7E05DD-180M	18 $\pm 20\%$	0.230	1.17	0.850	1.24	0.950
7E05DD-220M	22 $\pm 20\%$	0.280	1.05	0.800	1.11	0.850
7E05DD-270M	27 $\pm 20\%$	0.380	0.970	0.700	0.960	0.750
7E05DD-330M	33 $\pm 20\%$	0.420	0.850	0.650	0.910	0.700
7E05DD-390M	39 $\pm 20\%$	0.550	0.790	0.600	0.800	0.640
7E05DD-470M	47 $\pm 20\%$	0.610	0.720	0.550	0.760	0.580

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

DC saturation allowable current: The current value which inductance decrease within 30% from the initial value

Temperature rise allowable current: The rise in temperature of core surface is within 40°C



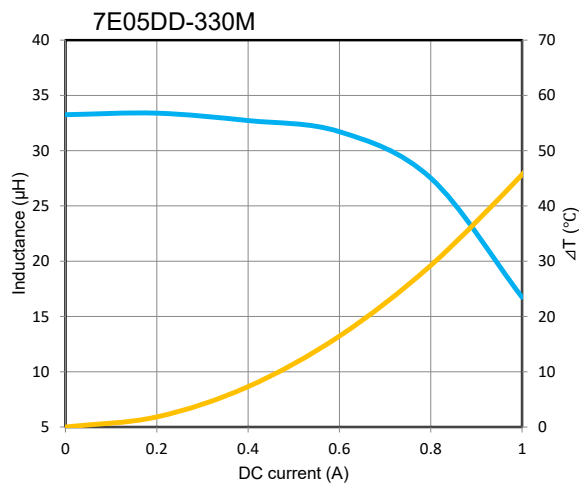
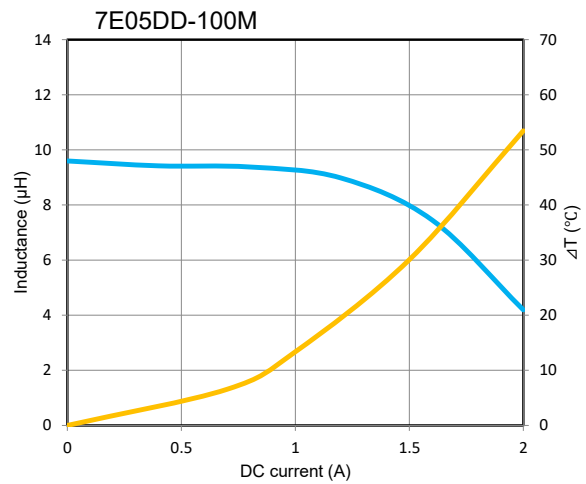
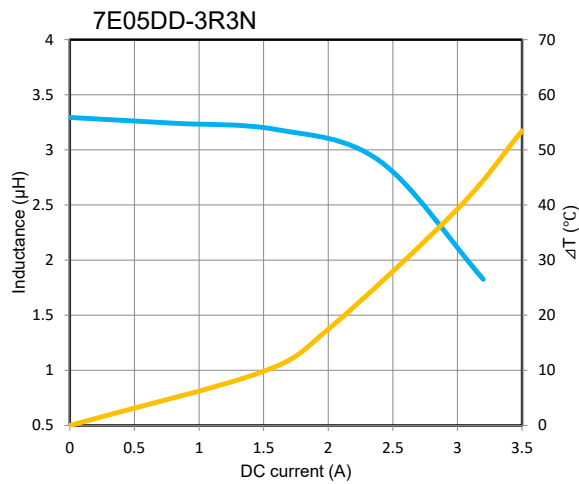
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DC bias characteristics vs Temperature Rise Graph

■ $L(25^{\circ}\text{C})$ ■ 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.



サガミ エレク株式会社
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