



SD75 Series



1. Features of SD75 Series :

- SMD Power Inductor
- Inductance Range: 1.0uH to 470.0uH, custom values are welcomed.
- Low Profile 5.3mm max. height.
- Perfect for high density designs with limited board space.
- Operating Temperature Range of -25°C up to + 130°C.
- RoHS and HF compliant.
- T & R Qtys: 500 pcs , 13" Reel.



2. Electrical Characteristics of SD75 Series:

ITG Part Number	Inductance* (μ H)	DCR Max. (Ω)	Isat (A)	Irms (A)
SD75-1R0MHF	1.0	0.0088	7.56	6.27
SD75-1R5MHF	1.5	0.0150	6.57	5.45
SD75-2R2MHF	2.2	0.0180	5.76	4.78
SD75-2R7MHF	2.7	0.0200	4.86	4.03
SD75-3R3MHF	3.3	0.0220	4.50	3.74
SD75-3R9MHF	3.9	0.0250	4.14	3.44
SD75-4R7MHF	4.7	0.0310	3.87	3.21
SD75-5R6MHF	5.6	0.0350	3.51	2.91
SD75-6R8MHF	6.8	0.0460	3.06	2.54
SD75-8R2MHF	8.2	0.0550	2.97	2.43
SD75-100KHF	10.0	0.0700	2.34	2.25
SD75-120KHF	12.0	0.0800	2.07	2.18
SD75-150KHF	15.0	0.0900	1.94	2.03
SD75-180KHF	18.0	0.1000	1.89	1.99
SD75-220KHF	22.0	0.1100	1.76	1.85
SD75-270KHF	27.0	0.1200	1.49	1.56
SD75-330KHF	33.0	0.1300	1.35	1.42
SD75-390KHF	39.0	0.1600	1.26	1.32
SD75-470KHF	47.0	0.1800	1.17	1.23
SD75-560KHF	56.0	0.2400	1.04	1.09
SD75-680KHF	68.0	0.2800	0.99	1.04
SD75-820KHF	82.0	0.3700	0.90	0.95
SD75-101KHF	100.0	0.4300	0.77	0.81
SD75-121KHF	120.0	0.4700	0.68	0.71
SD75-151KHF	150.0	0.6400	0.60	0.63
SD75-181KHF	180.0	0.7100	0.55	0.58
SD75-221KHF	220.0	0.9600	0.51	0.54
SD75-271KHF	270.0	1.1100	0.47	0.49
SD75-331KHF	330.0	1.2600	0.43	0.45
SD75-391KHF	390.0	1.7700	0.38	0.40
SD75-471KHF	470.0	1.9600	0.34	0.36

*Notes: **M**: Inductance Tolerance = $\pm 20\%$, **K**: Inductance Tolerance = $\pm 10\%$

● New York 1 914 347 2474 ● Taipei 886 2 2698 8669 ● Kaohsiung 886 7 350 2275
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*Due to continuous product improvement, all specifications are subject to change without prior notice. Kindly contact an ITG field application engineer or a sales representative prior to purchase.



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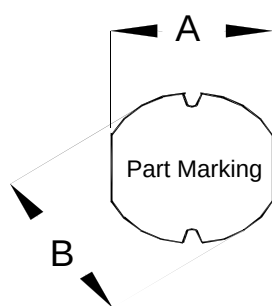
3. Mechanical Dimension of SD75 Series (Unit:mm)

A	B	C	D	E
±0.3	±0.3	±0.3	Ref.	±0.5
7.0	7.8	5.0	3.0	8.0

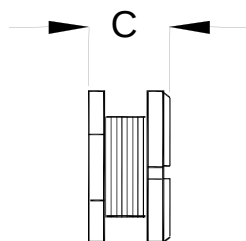
Part Marking:

Rxx : xx is inductance value in uH (R:decimal point),

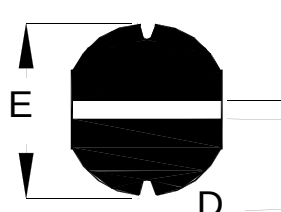
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TOP VIEW



SIDE VIEW



BOTTOM VIEW

Notes:

1. Isat: DC current that will cause inductance to drop approximately by 10%.
2. Irms: DC current rating at 40°C Rise.

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