



SD73 Series



1. Features of SD73 Series :

- SMD Power Inductor
- Inductance Range: 0.3uH to 470.0uH, custom values are welcomed.
- Low Profile 3.8mm 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: 1,000 pcs , 13" Reel.



2. Electrical Characteristics of SD73 Series:

ITG Part Number	Inductance* (uH)	DCR Max. (Ω)	Isat (A)	Irms (A)
SD73-R30MHF	0.3	0.0045	13.50	8.00
SD73-R60MHF	0.6	0.0060	8.40	8.60
SD73-R80MHF	0.8	0.0150	10.62	6.66
SD73-1R0MHF	1.0	0.0100	8.10	6.72
SD73-1R5MHF	1.5	0.0150	6.12	5.08
SD73-2R2MHF	2.2	0.0200	5.22	4.33
SD73-2R7MHF	2.7	0.0220	4.32	3.58
SD73-3R3MHF	3.3	0.0250	4.10	3.40
SD73-4R7MHF	4.7	0.0300	3.20	2.66
SD73-6R8MHF	6.8	0.0500	2.75	2.28
SD73-8R2MHF	8.2	0.0700	2.34	2.16
SD73-100MHF	10.0	0.0803	1.89	1.99
SD73-120MHF	12.0	0.0897	1.71	1.80
SD73-150LHF	15.0	0.1040	1.53	1.61
SD73-180LHF	18.0	0.1110	1.49	1.56
SD73-220LHF	22.0	0.1290	1.26	1.32
SD73-270LHF	27.0	0.1530	1.17	1.23
SD73-330KHF	33.0	0.1700	1.04	1.09
SD73-390KHF	39.0	0.2170	0.95	0.99
SD73-470KHF	47.0	0.2520	0.90	0.95
SD73-560KHF	56.0	0.2820	0.86	0.90
SD73-680KHF	68.0	0.3320	0.68	0.71
SD73-820KHF	82.0	0.4060	0.64	0.67
SD73-101KHF	100.0	0.4810	0.60	0.63
SD73-121KHF	120.0	0.5360	0.49	0.52
SD73-151KHF	150.0	0.7550	0.47	0.49
SD73-181KHF	180.0	1.0220	0.43	0.45
SD73-221KHF	220.0	1.2000	0.38	0.40
SD73-271KHF	270.0	1.3060	0.34	0.36
SD73-331KHF	330.0	1.4950	0.30	0.31
SD73-471KHF	470.0	2.5000	0.26	0.27

*Notes: **M**: Inductance Tolerance = $\pm 20\%$, **L**: Inductance Tolerance = $\pm 15\%$, **K**: Inductance Tolerance = $\pm 10\%$

● New York 1 914 347 2474 ● Taipei 886 2 2698 8669 ● Kaohsiung 886 7 350 2275
 ● Tokyo 81 568 85 2830 ● Shenzhen 86 755 8418 6263 ● Shanghai 86 21 5424 5141 ● Hong Kong 852 9688 9767
 ● sales@ITG-Electronics.com ● www.ITG-Electronics.com Revision C: February 10, 2016

*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.



SD73 Series



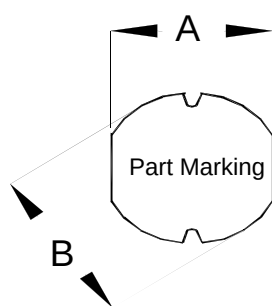
3. Mechanical Dimension of SD73 Series (Unit:mm)

A	B	C	D	E
±0.3	±0.3	±0.3	Ref.	±0.5
7.0	7.8	3.5	3.0	8.0

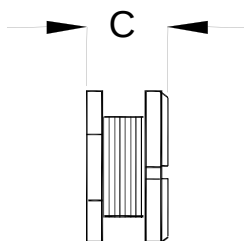
Part Marking:

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

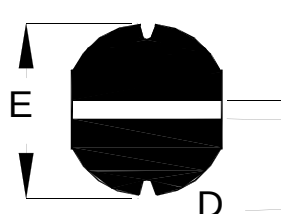
YYWW: Date Code



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 temperature rise

● New York 1 914 347 2474 ● Taipei 886 2 2698 8669 ● Kaohsiung 886 7 350 2275
 ● Tokyo 81 568 85 2830 ● Shenzhen 86 755 8418 6263 ● Shanghai 86 21 5424 5141 ● Hong Kong 852 9688 9767
 ● sales@ITG-Electronics.com ● www.ITG-Electronics.com Revision C: February 10, 2016

**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.*