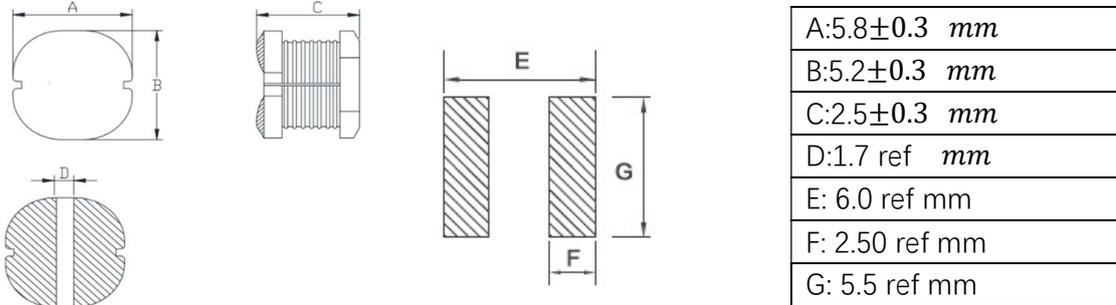




SMT Power Inductor M52 Series

Dimensions



ELECTRICAL CHARACTERISTICS

Model	Inductance(μ H)	Test Condition	RDC(Ω)	Saturation Current(A)
			Max.	
M52-1R1	$1.1 \pm 20\%$	100KHZ/0.25V	0.030	2.50
M52-1R5	$1.5 \pm 20\%$	100KHZ/0.25V	0.040	2.16
M52-2R2	$2.2 \pm 20\%$	100KHZ/0.25V	0.060	2.10
M52-3R3	$3.3 \pm 20\%$	100KHZ/0.25V	0.080	1.80
M52-4R7	$4.7 \pm 20\%$	100KHZ/0.25V	0.093	1.30
M52-5R6	$5.6 \pm 20\%$	100KHZ/0.25V	0.115	1.10
M52-6R8	$6.8 \pm 20\%$	100KHZ/0.25V	0.120	1.00
M52-8R2	$8.2 \pm 20\%$	100KHZ/0.25V	0.128	0.95
M52-100	$10 \pm 20\%$	100KHZ/0.25V	0.130	1.40
M52-120	$12 \pm 20\%$	100KHZ/0.25V	0.185	0.86
M52-150	$15 \pm 20\%$	100KHZ/0.25V	0.330	0.72
M52-180	$18 \pm 20\%$	100KHZ/0.25V	0.360	0.68
M52-220	$22 \pm 10\%$	100KHZ/0.25V	0.400	0.60
M52-270	$27 \pm 10\%$	100KHZ/0.25V	0.480	0.56
M52-330	$33 \pm 10\%$	100KHZ/0.25V	0.540	0.90
M52-390	$39 \pm 10\%$	100KHZ/0.25V	0.610	0.86
M52-470	$47 \pm 10\%$	100KHZ/0.25V	0.620	0.80
M52-560	$56 \pm 10\%$	100KHZ/0.25V	0.850	0.39
M52-680	$68 \pm 10\%$	100KHZ/0.25V	1.180	0.37
M52-820	$82 \pm 10\%$	100KHZ/0.25V	1.200	0.35
M52-101	$100 \pm 10\%$	100KHZ/0.25V	1.800	0.27
M52-121	$120 \pm 10\%$	100KHZ/0.25V	1.250	0.25
M52-151	$150 \pm 10\%$	100KHZ/0.25V	2.750	0.23
M52-181	$180 \pm 10\%$	100KHZ/0.25V	2.900	0.22
M52-221	$220 \pm 10\%$	100KHZ/0.25V	3.200	0.20
M52-271	$270 \pm 10\%$	100KHZ/0.25V	3.600	0.19



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M52-391	390 ± 10%	100KHZ/0.25V	3.850	0.16
M52-471	470 ± 10%	100KHZ/0.25V	4.100	0.15