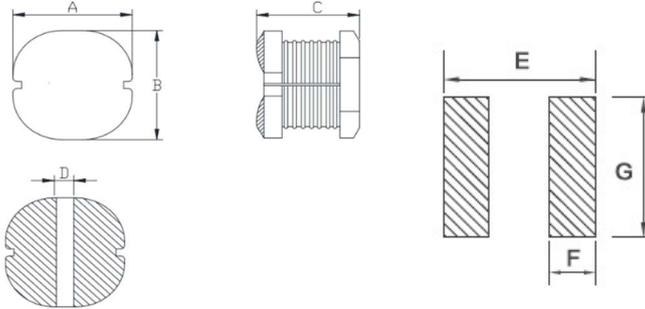




SMT Power Inductor M54 Series

Dimensions



A: 5.8 ± 0.3 mm
B: 5.2 ± 0.3 mm
C: 4.5 ± 0.3 mm
D: 1.7 ref mm
E: 6.0 ref mm
F: 2.50 ref mm
G: 5.5 ref mm

ELECTRICAL CHARACTERISTICS

Model	Inductance(μ H)	Test Condition	RDC(Ω)	Saturation Current(A)
			Max.	
M54-R47	$0.47 \pm 20\%$	100KHZ/0.25V	0.012	5.40
M54-1R0	$1.0 \pm 20\%$	100KHZ/0.25V	0.017	5.00
M54-1R5	$1.5 \pm 20\%$	100KHZ/0.25V	0.018	5.00
M54-2R2	$2.2 \pm 20\%$	100KHZ/0.25V	0.027	4.50
M54-2R7	$2.7 \pm 20\%$	100KHZ/0.25V	0.030	3.50
M54-3R3	$3.3 \pm 20\%$	100KHZ/0.25V	0.040	3.00
M54-4R7	$4.7 \pm 20\%$	100KHZ/0.25V	0.040	2.50
M54-5R6	$5.6 \pm 20\%$	100KHZ/0.25V	0.050	2.50
M54-6R8	$6.8 \pm 20\%$	100KHZ/0.25V	0.090	2.50
M54-100	$10 \pm 20\%$	100KHZ/0.25V	0.100	2.00
M54-120	$12 \pm 20\%$	100KHZ/0.25V	0.120	1.40
M54-150	$15 \pm 20\%$	100KHZ/0.25V	0.140	1.30
M54-170	$17 \pm 20\%$	100KHZ/0.25V	0.160	1.28
M54-220	$22 \pm 10\%$	100KHZ/0.25V	0.180	1.11
M54-270	$27 \pm 10\%$	100KHZ/0.25V	0.200	0.97
M54-330	$33 \pm 10\%$	100KHZ/0.25V	0.230	0.88
M54-390	$39 \pm 10\%$	100KHZ/0.25V	0.320	0.80
M54-470	$47 \pm 10\%$	100KHZ/0.25V	0.370	0.72
M54-560	$56 \pm 10\%$	100KHZ/0.25V	0.450	0.70
M54-680	$68 \pm 10\%$	100KHZ/0.25V	0.460	0.61
M54-820	$82 \pm 10\%$	100KHZ/0.25V	0.600	0.60
M54-101	$100 \pm 10\%$	100KHZ/0.25V	0.700	0.52
M54-131	$130 \pm 10\%$	100KHZ/0.25V	0.970	0.51



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M54-151	150±10%	100KHZ/0.25V	1.100	0.50
M54-181	180±10%	100KHZ/0.25V	1.200	0.45
M54-221	220±10%	100KHZ/0.25V	1.570	0.35
M54-271	270±10%	100KHZ/0.25V	1.650	0.32
M54-301	300±10%	100KHZ/0.25V	1.750	0.37
M54-331	330±10%	100KHZ/0.25V	2.500	0.42
M54-391	390±10%	100KHZ/0.25V	2.500	0.35
M54-471	470±10%	100KHZ/0.25V	3.200	0.29
M54-501	500±10%	100KHZ/0.25V	3.800	0.28
M54-561	560±10%	100KHZ/0.25V	3.870	0.28
M54-681	680±10%	100KHZ/0.25V	4.000	0.27
M54-701	700±10%	100KHZ/0.25V	4.400	0.26
M54-821	820±10%	100KHZ/0.25V	5.800	0.24
M54-102	1000±10%	100KHZ/0.25V	7.500	0.20
M54-122	1200±10%	100KHZ/0.25V	7.400	0.21
M54-152	1500±10%	100KHZ/0.25V	9.000	0.17
M54-182	1800±10%	100KHZ/0.25V	10.80	0.11
M54-202	2000±10%	100KHZ/0.25V	14.00	0.10
M54-222	2200±10%	100KHZ/0.25V	14.00	0.11
M54-252	2500±10%	100KHZ/0.25V	14.00	0.18
M54-302	3000±10%	100KHZ/0.25V	20.20	0.12
M54-472	4700±10%	100KHZ/0.25V	37.00	0.13
M54-502	5000±10%	100KHZ/0.25V	42.00	0.09
M54-952	9500±10%	100KHZ/0.25V	69.60	0.05