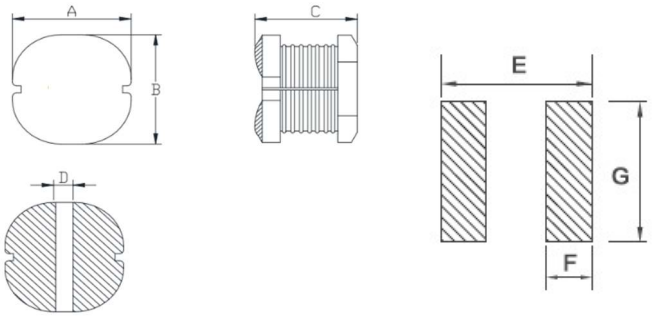
SMT Power Inductor M53 Series

Dimensions



A:5.8±0.3 *mm*
B:5.2±0.3 *mm*
C:3.0±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(μH)	Test Condition	RDC(Ω) Max.	Saturation Current(A)
M53-1R0	1.0±20%	100KHZ/0.25V	0.038	3.80
M53-1R5	1.5±20%	100KHZ/0.25V	0.025	4.00
M53-2R2	2.2±20%	100KHZ/0.25V	0.035	3.50
M53-3R3	3.3±20%	100KHZ/0.25V	0.055	2.80
M53-3R9	3.9±20%	100KHZ/0.25V	0.064	2.60
M53-4R7	4.7±20%	100KHZ/0.25V	0.070	2.50
M53-5R6	5.6±20%	100KHZ/0.25V	0.084	2.40
M53-6R8	6.8±20%	100KHZ/0.25V	0.090	2.20
M53-8R2	8.2±20%	100KHZ/0.25V	0.100	2.00
M53-100	10±20%	100KHZ/0.25V	0.150	1.80
M53-120	12±20%	100KHZ/0.25V	0.130	1.75
M53-150	15±20%	100KHZ/0.25V	0.170	1.70
M53-180	18±20%	100KHZ/0.25V	0.180	1.60
M53-220	22±10%	100KHZ/0.25V	0.240	1.50
M53-270	27±10%	100KHZ/0.25V	0.240	1.40
M53-330	33±10%	100KHZ/0.25V	0.350	1.10
M53-390	39±10%	100KHZ/0.25V	0.400	1.00
M53-470	47±10%	100KHZ/0.25V	0.600	1.00
M53-560	56±10%	100KHZ/0.25V	0.500	0.85
M53-680	68±10%	100KHZ/0.25V	0.680	0.80
M53-820	82±10%	100KHZ/0.25V	0.900	0.65
M53-101	100±10%	100KHZ/0.25V	1.000	0.50
M53-121	120±10%	100KHZ/0.25V	1.000	0.55
M53-151	150±10%	100KHZ/0.25V	1.500	0.50
M53-181	180±10%	100KHZ/0.25V	1.500	0.40
M53-221	220±10%	100KHZ/0.25V	2.150	0.50

Add: 10F Building 1, Wan Yang Industrial Park, Gulao, Heshan, Jiangmen City, Guangdong, China Website: https://umgz.com

M53-271	270±10%	100KHZ/0.25V	2.500	0.35
M53-331	330±10%	100KHZ/0.25V	3.200	0.28
M53-391	390±10%	100KHZ/0.25V	3.500	0.26
M53-471	470±10%	100KHZ/0.25V	4.800	0.35
M53-561	560±10%	100KHZ/0.25V	4.500	0.19
M53-681	680±10%	100KHZ/0.25V	6.000	0.18
M53-821	820±10%	100KHZ/0.25V	6.500	0.15
M53-102	1000±10%	100KHZ/0.25V	11.00	0.14
M53-152	1500±10%	100KHZ/0.25V	18.00	0.14
M53-252	2500±10%	100KHZ/0.25V	43.00	0.13
M53-332	3200±10%	100KHZ/0.25V	52.00	0.11