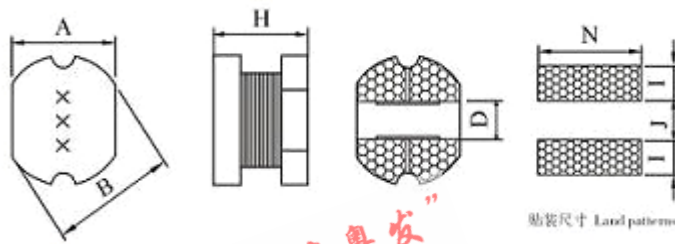


SP53 Series Dimension Diagram(unit: mm)



TYPE	A(±0.3)	B(±0.3)	H(±0.3)	D	N	I	J
SP53	5.2	5.8	3.2	1.6	5.5	2.5	1.2

SP53 Series Electrical Characteristics:

PART NO.	L (µH)	L TEST	DCR (Ω)	IDC (A)
	INDUCTANCE	FREQUENCY	MAX	MAX
SP5830-1R0M	1.0	7.96 MHZ	0.03	4.50
SP5830-1R5M	1.5	7.96 MHZ	0.03	4.10
SP5830-1R8M	1.8	7.96 MHZ	0.03	3.70
SP5830-2R2M	2.2	7.96 MHZ	0.03	3.50
SP5830-2R7M	2.7	7.96 MHZ	0.04	3.20
SP5830-3R3M	3.3	7.96 MHZ	0.05	2.80
SP5830-3R9M	3.9	7.96 MHZ	0.06	2.60
SP5830-4R7M	4.7	7.96 MHZ	0.07	2.50
SP5830-5R6M	5.6	7.96 MHZ	0.08	2.40
SP5830-6R8M	6.8	7.96 MHZ	0.09	2.20
SP5830-8R2M	8.2	7.96 MHZ	0.10	2.00
SP5830-100K	10	2.52 MHZ	0.12	1.80
SP5830-120K	12	2.52 MHZ	0.13	1.75
SP5830-150K	15	2.52 MHZ	0.15	1.70
SP5830-180K	18	2.52 MHZ	0.18	1.60
SP5830-220K	22	2.52 MHZ	0.22	1.50
SP5830-270K	27	2.52 MHZ	0.24	1.40

SP5830-330K	33	2.52 MHZ	0.30	1.00
SP5830-390K	39	2.52 MHZ	0.40	1.00
SP5830-470K	47	2.52 MHZ	0.43	0.90
SP5830-560K	56	2.52 MHZ	0.50	0.85
SP5830-680K	68	2.52 MHZ	0.60	0.80
SP5830-820K	82	2.52 MHZ	0.80	0.65
SP5830-101K	100	1 KHZ	0.90	0.60
SP5830-121K	120	1 KHZ	1.00	0.58
SP5830-151K	150	1 KHZ	1.30	0.43
SP5830-181K	180	1 KHZ	1.50	0.41
SP5830-221K	220	1 KHZ	2.00	0.38
SP5830-271K	270	1 KHZ	2.50	0.35
SP5830-331K	330	1 KHZ	3.20	0.28
SP5830-391K	390	1 KHZ	3.50	0.26
SP5830-471K	470	1 KHZ	4.20	0.20

**Notes:**

1, the inductance tolerance: J +5%; K +10%; L +15%; M +20%, customers can choose according to their own conditions, inductance tolerance!

2, if the standard exceeds the requirements of the above, you can also customize the product according to customer's needs!

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