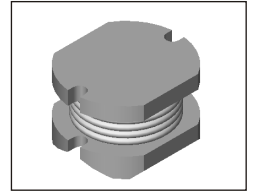


SMT Power Inductor

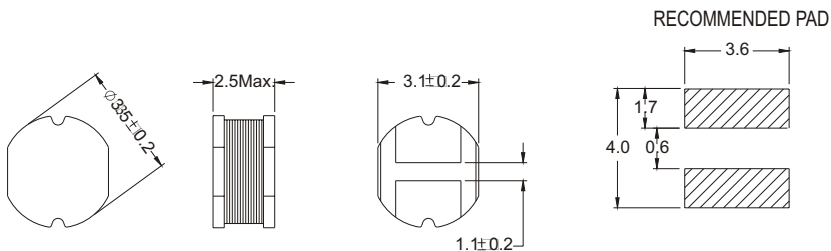
SI43A Type

Features

- Low profile(2.5mm max. height) SMD type.
- Unshielded.
- Self-leads ,suitable for high density mounting.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor applications.
- In addition to the standard versions shown here, custom inductors are available to meet your exact requirements.



Mechanical Dimension : Unit :mm



Electrical Characteristics :

PART NO.	L (uH)*	DCR (Ω) MAX	I _{RATED} ** (A dc)
SI43A - 1R0	1.0	25	2.6
SI43A - 1R2	1.2	32	2.3
SI43A - 1R5	1.5	41	2.06
SI43A - 1R8	1.8	49	1.86
SI43A - 2R2	2.2	54	1.70
SI43A - 2R7	2.7	66	1.57
SI43A - 3R3	3.3	78	1.35
SI43A - 3R9	3.9	92	.26
SI43A - 4R7	4.7	110	1.19
SI43A - 5R6	5.6	127	1.06
SI43A - 6R8	6.8	156	1.00
SI43A - 8R2	8.2	186	0.87
SI43A - 100	10	226	0.80
SI43A - 120	12	251	0.74
SI43A - 150	15	286	0.66
SI43A - 220	22	494	0.53
SI43A - 180	18	402	0.60
SI43A - 270	72	576	0.48
SI43A - 330	33	690	0.44
SI43A - 390	39	793	0.40
SI43A - 470	47	1040	0.36
SI43A - 560	56	1163	0.33
SI43A - 680	68	1520	0.31
SI43A - 820	82	1745	0.27
SI43A - 101	100	2015	0.25

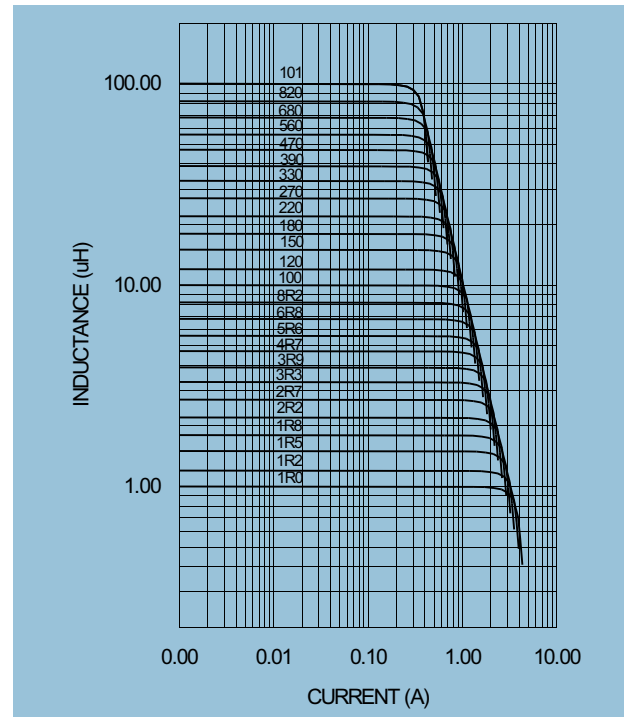
★ Tolerance of inductance

1.0~8.2uH ±15%, 10~100uH ±10%

★★ I_{RATED} : rated current ΔL<10% , ΔT<45°C at I_{RATED}.

★★★ Operating temperature : -20°C to 105°C (including self-temperature rise)

★★★★ Test condition at 25°C : 100KHz, 0.1V



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