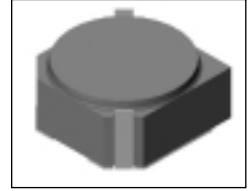


SMT Power Inductor

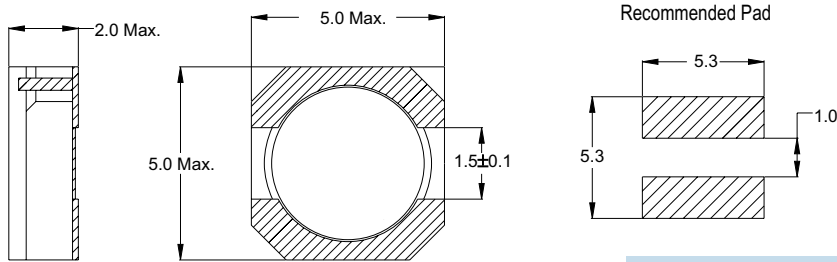
SIL520 Type

Features

- Small size (4.8mm*4.8mm), low profile (2.0mm max. Height) SMD type.
- Magnetically shielded, 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 application.
- In addition to the standard versions shown here, custom inductors are available to meet your exact requirements.

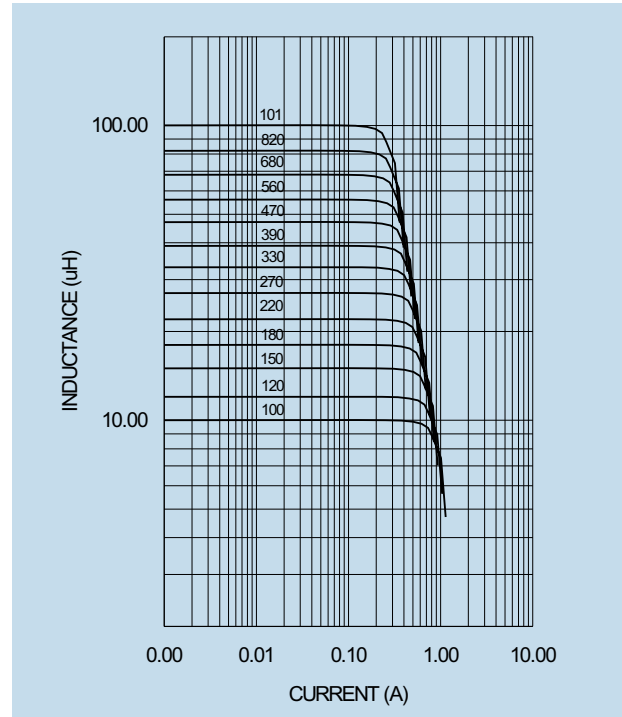


Mechanical Dimension: Unit: mm



Electrical Characteristics:

PART NO.	L * (uH)	DCR (Ω) MAX	I _{RATED} ** (Adc)
SIL520 - 100	10	0.200	0.61
SIL520 - 120	12	0.210	0.56
SIL520 - 150	15	0.240	0.50
SIL520 - 180	18	0.338	0.48
SIL520 - 220	22	0.397	0.41
SIL520 - 270	27	0.441	0.35
SIL520 - 330	33	0.690	0.32
SIL520 - 390	39	0.709	0.30
SIL520 - 470	47	0.922	0.28
SIL520 - 560	56	1.080	0.26
SIL520 - 680	68	1.300	0.24
SIL520 - 820	82	1.560	0.22
SIL520 - 101	100	1.730	0.20
SIL520 - 121	120	2.390	0.18
SIL520 - 151	150	2.670	0.15
SIL520 - 181	180	4.000	0.14



★ Tolerance of inductance
10~180uH±30%

★★ I_{RATED} : rated current. ΔL<35%, 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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