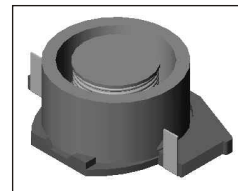


SMT Power Inductor

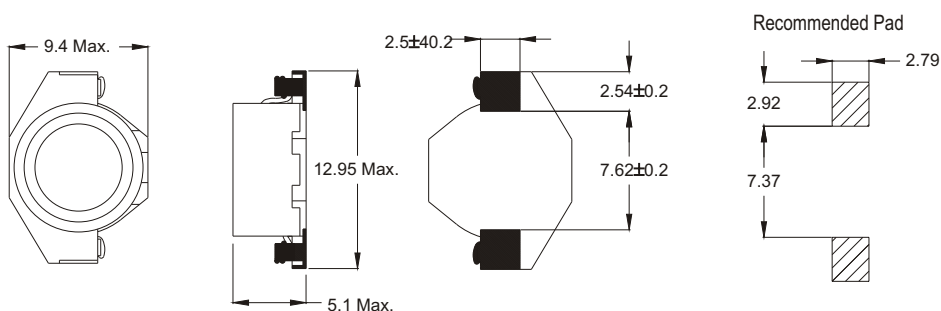
SISC85 Type

Features

- Low profile (5.1mm max. height), high current (5A, 1uH) 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	Is ★★ (A dc)	Ir ★★★ (A dc)
SISC85-1R0	1.0	0.021	5.6	5.0
SISC85-1R5	1.5	0.022	5.2	4.5
SISC85-2R2	2.2	0.032	5.0	3.8
SISC85-3R3	3.3	0.039	3.9	3.3
SISC85-4R7	4.7	0.054	3.2	2.7
SISC85-6R8	6.8	0.075	2.8	2.2
SISC85-100	10	0.101	2.4	2.0
SISC85-150	15	0.150	2.0	1.5
SISC85-220	22	0.207	1.6	1.3
SISC85-330	33	0.334	1.4	1.1
SISC85-470	47	0.472	1.0	0.8

★ Tolerance of inductance

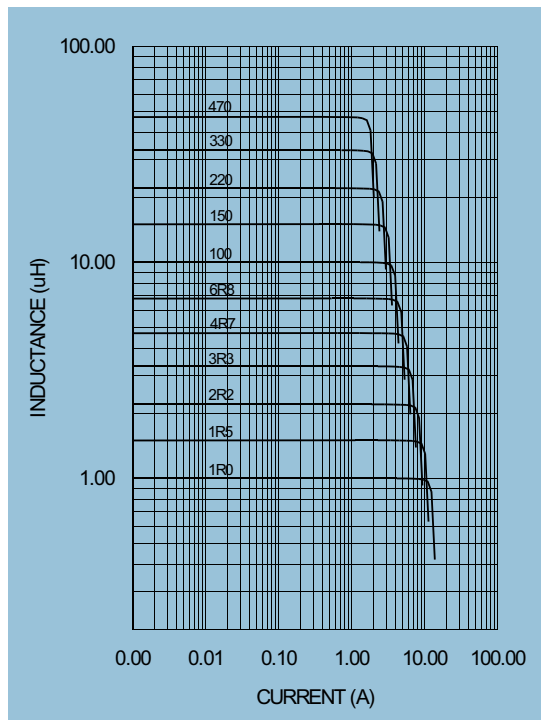
1.0~47uH±20%

★★ ΔL<10% at Is

★★★ ΔT<45°C at Ir

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

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



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