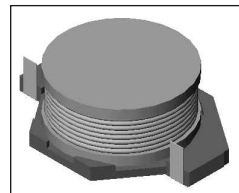


SMT Power Inductor

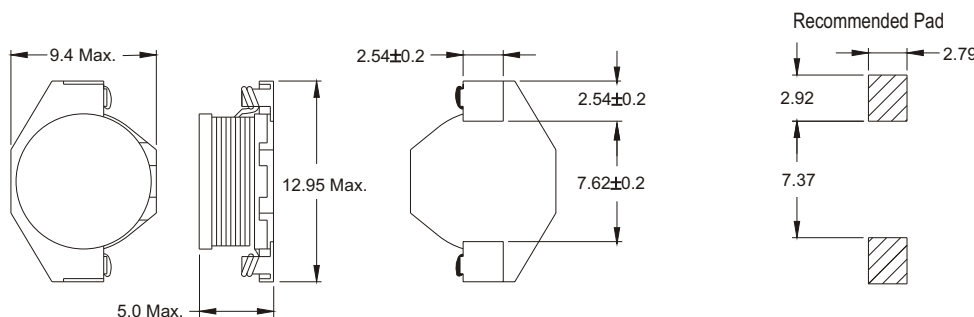
SIS85 Type

Features

- Low profile (5.0mm max. height), high current (6.8A, 1uH) SMD type.
- Unshielded, 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 ★★ (Adc)	Ir ★★★ (Adc)
SIS85-1R0	1.0	0.009	9.0	6.8
SIS85-1R5	1.5	0.010	8.0	6.4
SIS85-2R2	2.2	0.012	7.0	6.1
SIS85-3R3	3.3	0.015	6.4	5.4
SIS85-4R7	4.7	0.018	5.4	4.8
SIS85-6R8	6.8	0.027	4.6	4.4
SIS85-100	10	0.038	3.8	3.9
SIS85-150	15	0.046	3.0	3.1
SIS85-220	22	0.085	2.6	2.7
SIS85-330	33	0.100	2.0	2.1
SIS85-470	47	0.140	1.6	1.8
SIS85-680	68	0.200	1.4	1.5
SIS85-101	100	0.280	1.2	1.3
SIS85-151	150	0.400	1.0	1.0
SIS85-221	220	0.610	0.8	0.8
SIS85-331	330	1.020	0.6	0.6
SIS85-471	470	1.270	0.5	0.5
SIS85-681	680	2.020	0.4	0.4
SIS85-102	1000	3.000	0.3	0.3

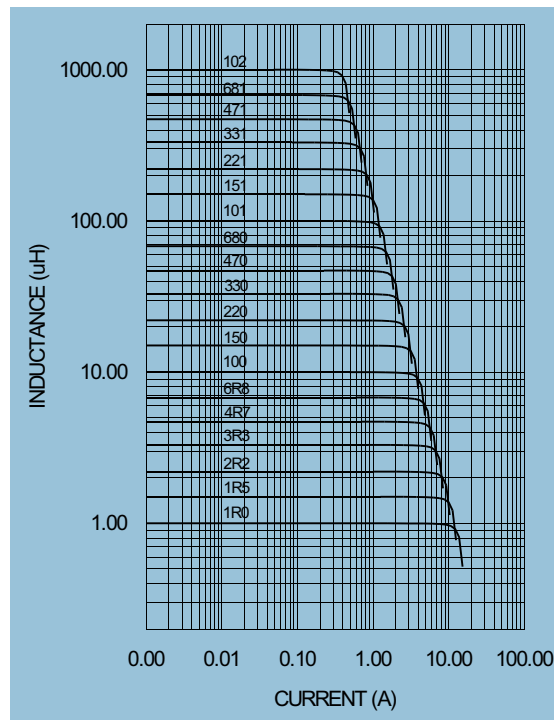
★ Tolerance of inductance
1.0~1000uH±20%

★★ $\Delta L < 10\%$ at I_s

★★★ $\Delta T < 45^\circ\text{C}$ at I_r

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

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



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