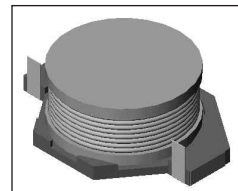


SMT Power Inductor

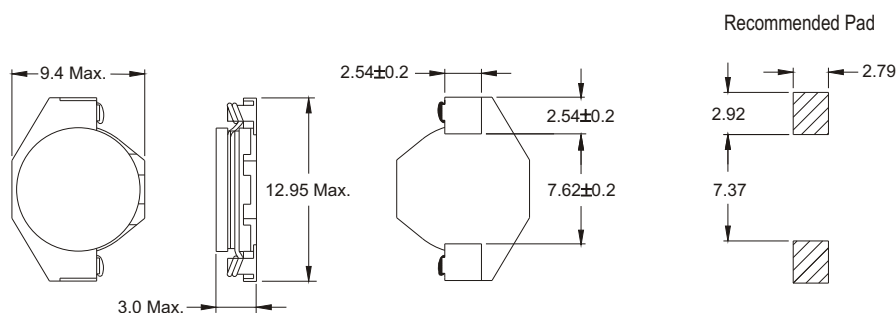
SIS83 Type

Features

- Low profile (3.0mm max. height) 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 ★ (μ H)	DCR (Ω) MAX	Is ★★ (A _{dc})	Ir ★★★ (A _{dc})
SIS83-100	10	0.090	2.4	2.0
SIS83-150	15	0.120	2.0	1.5
SIS83-220	22	0.190	1.6	1.3
SIS83-330	33	0.250	1.4	1.1
SIS83-470	47	0.320	1.0	0.8
SIS83-680	68	0.550	0.9	0.7
SIS83-101	100	0.700	0.7	0.6
SIS83-151	150	1.000	0.6	0.5
SIS83-221	220	1.600	0.5	0.4
SIS83-331	330	2.200	0.4	0.3
SIS83-471	470	3.300	0.3	0.2
SIS83-681	680	4.400	0.2	0.1
SIS83-102	1000	7.000	0.1	0.05

★ Tolerance of inductance

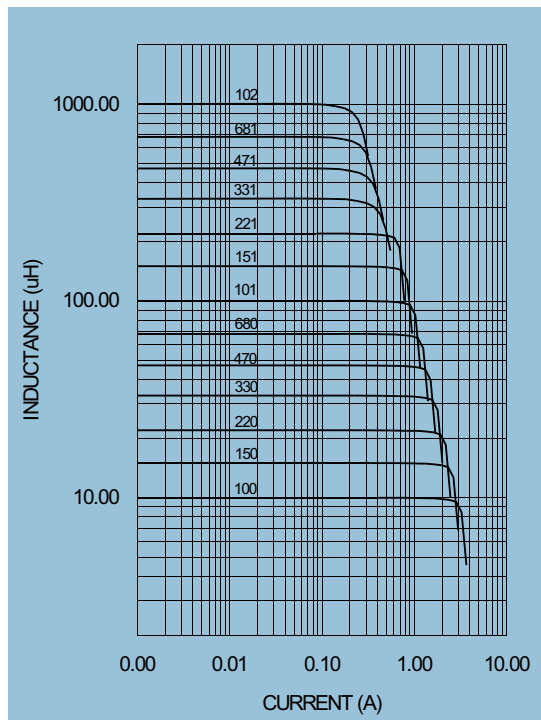
10~1000 μ H $\pm$ 20%

★★ $\Delta L < 10\%$ at Is

★★★ $\Delta T < 45^\circ\text{C}$ 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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