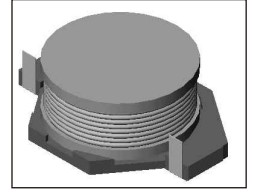


SMT Power Inductor

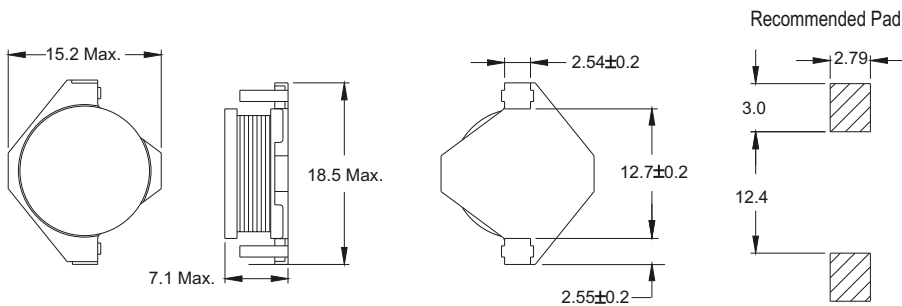
SIS136 Type

Features

- Low profile (7.1mm max. height), high current (8.6A, 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 ★★ (A dc)	Ir ★★★ (A dc)
SIS136-1R0	1.0	0.012	20.0	8.60
SIS136-2R2	2.2	0.016	16.0	7.10
SIS136-3R3	3.3	0.018	14.0	6.20
SIS136-5R6	5.6	0.025	12.0	5.30
SIS136-100	10	0.036	10.0	4.30
SIS136-150	15	0.041	8.0	4.00
SIS136-220	22	0.054	7.0	3.50
SIS136-330	33	0.075	5.5	3.00
SIS136-470	47	0.100	4.5	2.60
SIS136-680	68	0.150	3.5	2.30
SIS136-101	100	0.218	3.0	1.80
SIS136-151	150	0.287	2.6	1.50
SIS136-221	220	0.437	2.4	1.20
SIS136-331	330	0.644	1.9	1.00
SIS136-471	470	0.977	1.4	0.82
SIS136-681	680	1.380	1.2	0.72
SIS136-102	1000	2.070	1.0	0.56

★ Tolerance of inductance

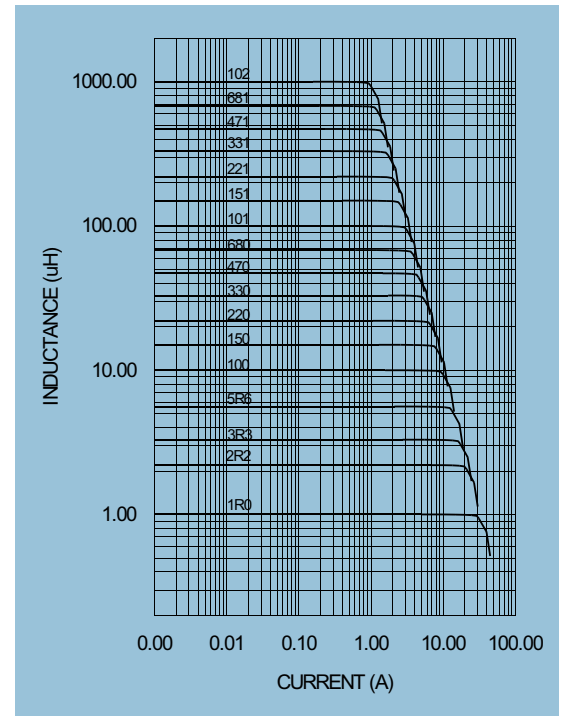
1.0~1000uH±20%

★★ $\Delta L < 10\%$ 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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