



SMD TYPE

Power Inductor

SPT135 TYPE

FEATURES

- Contact excellent with PCB
- Big current (45A)
- Flat wire
- Common package
- Without noise

APPLICATIONS

- Notebook computers
- Battery powered equipment
- DC/DC converters
- Servers

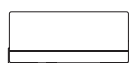
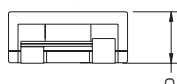
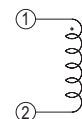
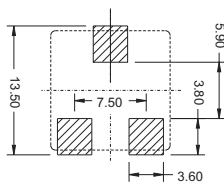
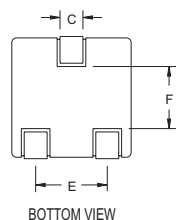
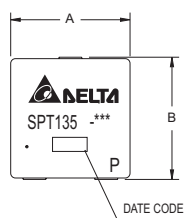


AT 25°C: 100KHz, 0.1V

PART NO.	Lo (uH) Typ.	Li (uH) ±20%	DCR (mΩ) MAX	Isat (Amperes)	Irms (Amperes)
SPT135-0R3	0.3	0.24	0.6	45	45
SPT135-0R7	0.7	0.55	1.2	32	38
SPT135-1R2	1.2	0.9	1.5	28	34
SPT135-1R9	1.9	1.5	4.0	20	20
SPT135-2R7	2.7	2.2	4.7	16	20
SPT135-3R6	3.6	2.9	5.6	14	18
SPT135-4R8	4.8	3.8	6.4	12	18
SPT135-6R4	6.4	5.0	10	10	13

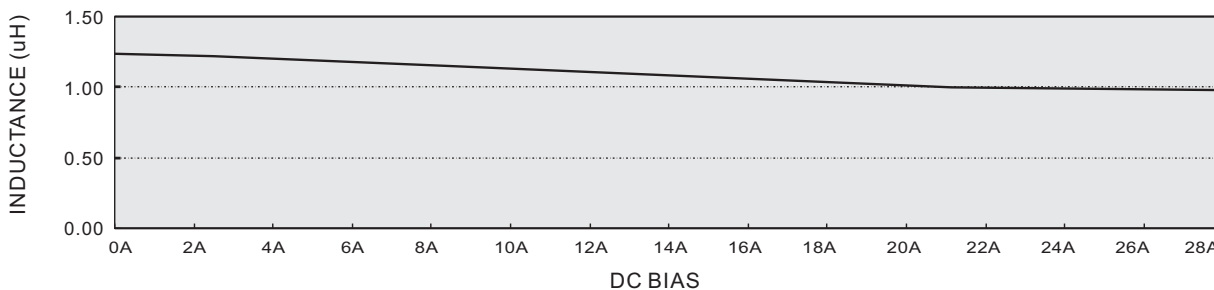
Note 1. Lo is the value of initial inductance; Li is the inductance at Isat current.
 2. Δ T=25°C at I rms.

MECHANICAL CONSTRUCTION



UNIT : mm / inch
 A = 12.50 ± 0.40 / 0.492 ± 0.016
 B = 12.70 ± 0.40 / 0.500 ± 0.016
 C = 2.40 / 0.094 (REF)
 D = 5.50 / 0.217 MAX
 E = 7.50 / 0.295 (REF)
 F = 6.50 / 0.256 (REF)

SPT135-1R2 INDUCTANCE VS. DC BIAS



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