

SPL5032 Surface Mount Power Inductor



APPLICATIONS

- ◇ DC/DC converters.
- ◇ Computers.
- ◇ Telecommunications Equipment.
- ◇ Filters.
- ◇ LCD Display.

CHARACTERISTICS

Flat Top for surface mounting.
High Current SMD, up to 2.4 ADC.

FLAMABILITY: To UL94V0.

TEMPERATURE RANGE: -40°C to 85°C.

SOLDERABILITY: Excellent for IR soldering.

PACKAGING: Tape and Reel only.

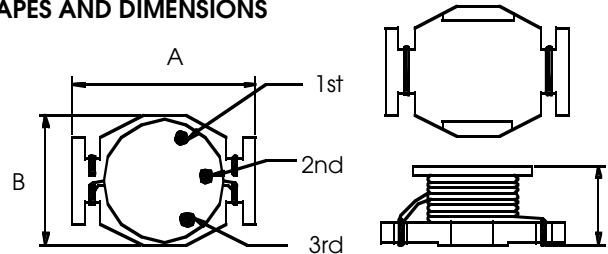
NOTES:

- (1) Inductance tested at 100kHz, 0.10VRMS.
- (2) Rated Current based on 10% drop in initial inductance.
- (3) DCR measured on milliohm meter.

CHARACTERISTICS

Inductance tested at 100 kHz, 0.1 Vrms.
Inductance drop = 10% typ. at Isat.
T = 40°C rise typ at Irms.
Operating temperature range -40°C to +85°C

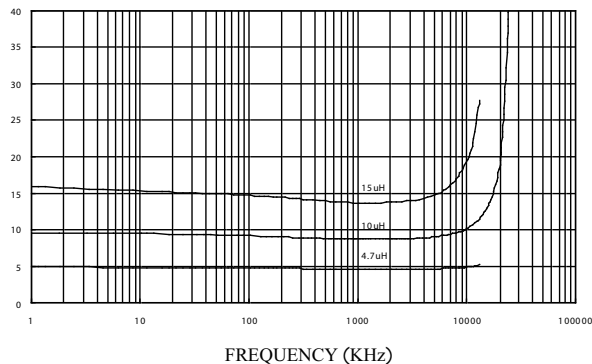
SHAPES AND DIMENSIONS



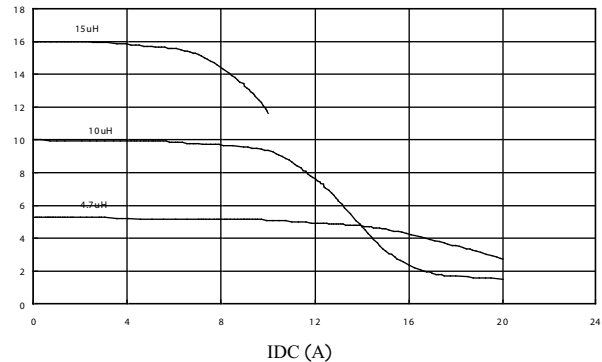
DIMENSIONS IN MM

UNIT	A Max	B	C Max	D Max
In	0.390	0.520	0.250	0.330
mm	9.91	13.21	6.35	8.38

INDUCTANCE VS. FREQUENCY CHARACTERISTICS



INDUCTANCE VS. IDC CHARACTERISTICS



Part Number	Ind. (µH)	Tol. (±%)	DCR (Ω) Max	SRF (MHz) Typ	Isat (A)	Irms (A)
SPL5032-R78M	0.78	20	2.6	156	30	15
SPL5032-1R5M	1.5	20	4.0	100	25	15
SPL5032-2R2M	2.2	20	6.1	75	20	12
SPL5032-3R3M	3.3	20	8.6	60	17	10
SPL5032-3R9M	3.9	20	10	55	15	9.0
SPL5032-4R7M	4.7	20	14	40	13	8.4
SPL5032-6R0M	6.0	20	17	35	12	7.5
SPL5032-7R8M	7.8	20	18	35	11	7.5
SPL5032-100M	10	20	26	28	10	6.0
SPL5032-150M	15	20	32	20	8	4.4