

SPL 4025 Surface Mount Power Inductor



APPLICATIONS

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

CHARACTERISTICS

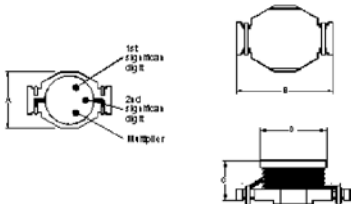
Flat Top for surface mounting.
High Current SMD, up to 20 ADC.

FLAMABILITY: To UL94V0.

TEMPERATURE RANGE: -40°C to 85°C.

SOLDERABILITY: Excellent for IR soldering.

PACKAGING: Tape and Reel only.



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

NOTES:

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

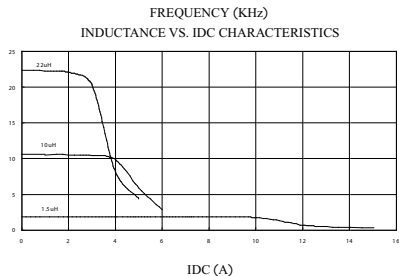
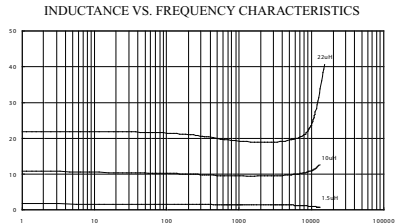
CHARACTERISTICS

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



Part Number	Ind. (µH)	Tol. (±%)	DCR (Ω) Max	SRF (MHz) Typ	Isat (A)	Irms (A)
SPL4025-R33M	0.33	20	0.002	300	20.0	16.0
SPL4025-R68M	0.68	20	0.005	200	13.0	12.0
SPL4025-1R0M	1.0	20	0.006	100	11.0	10.0
SPL4025-1R5M	1.5	20	0.008	90	9.0	9.0
SPL4025-2R2M	2.2	20	0.011	90	7.8	7.4
SPL4025-2R7M	2.7	20	0.012	65	7.0	6.6
SPL4025-3R3M	3.3	20	0.014	65	6.4	5.9
SPL4025-4R7M	4.7	20	0.018	45	5.4	4.8
SPL4025-6R8M	6.8	20	0.035	35	3.6	5.0
SPL4025-100M	10	20	0.04	26	3.3	4.3
SPL4025-150M	15	20	0.06	21	2.4	3.5
SPL4025-220M	22	20	0.08	17	2.0	2.8
SPL4025-330M	33	20	0.15	14	1.7	2.1
SPL4025-470M	47	20	0.28	12	1.4	1.7
SPL4025-680M	68	20	0.3	9	1.2	1.5
SPL4025-101M	100	20	0.4	7	0.95	1.2