

SPL 3321 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 9 ADC.

FLAMABILITY: To UL94V0.

TEMPERATURE RANGE: -40°C to 85°C.

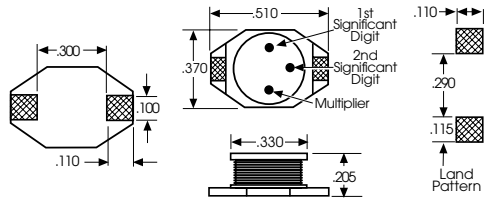
SOLDERABILITY: Excellent for IR soldering.

PACKAGING: Tape and Reel only.

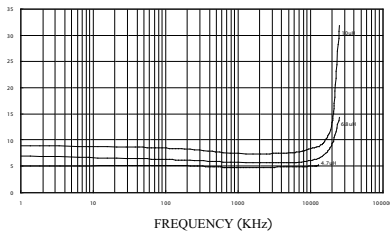
NOTES:

- (1) Inductance tested at 100kHz, 0.10VRMS.
- (2) Based on 10% drop in initial inductance.

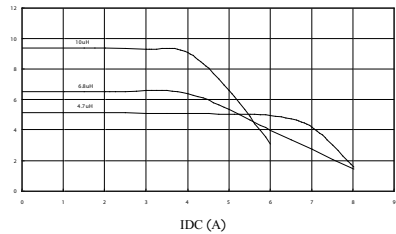
Inductance tested at 100 kHz, 0.1 Vrms.
Inductance drop = 20% typ. at Isat.
T = 15°C rise typ at Irms.
Operating temperature range -40°C to +85°C



INDUCTANCE VS. FREQUENCY CHARACTERISTICS



INDUCTANCE VS. IDC CHARACTERISTICS



Part Number	Ind. (µH)	Tol. (±%)	DCR (Ω) Max	SRF (MHz) Typ	Isat (A)	Irms (A)
SPL3321-1R0M	1.0	20	100	0.009	9.0	6.8
SPL3321-1R5M	1.5	20	90	0.010	8.0	6.4
SPL3321-2R2M	2.2	20	80	0.012	7.0	6.1
SPL3321-3R3M	3.3	20	65	0.015	6.4	5.4
SPL3321-4R7M	4.7	20	45	0.018	5.4	4.8
SPL3321-6R8M	6.8	20	38	0.027	4.6	4.4
SPL3321-100M	10	20	30	0.038	3.8	3.9
SPL3321-150M	15	20	27	0.046	3.0	3.1
SPL3321-220M	22	20	19	0.085	2.6	2.7
SPL3321-330M	33	20	15	0.100	2.0	2.1
SPL3321-470M	47	20	12	0.140	1.6	1.8
SPL3321-680M	68	20	10	0.200	1.4	1.5
SPL3321-101M	100	20	9	0.280	1.2	1.3
SPL3321-151M	150	20	6	0.400	1.0	1.0
SPL3321-221M	220	20	5	0.610	0.8	0.8
SPL3321-331M	330	20	4.5	1.020	0.6	0.6
SPL3321-471M	470	20	3.5	1.270	0.5	0.5
SPL3321-681M	680	20	2.5	2.020	0.4	0.4
SPL3321-102M	1000	20	2.0	3.000	0.3	0.3