

# SPL1610 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 2.9 ADC.

**FLAMABILITY:** To UL94V0.

**TEMPERATURE RANGE:** -40°C to 85°C.

**PACKAGING:** Tape and Reel only.

**SOLDERABILITY:** Excellent for IR soldering.

## Notes:

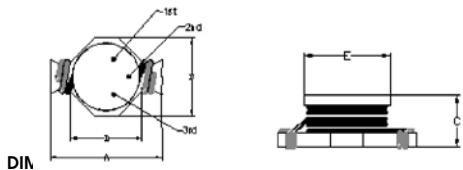
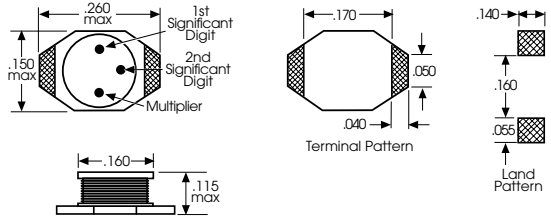
- (1) Inductance measured at 100Khz, .10Vrms.
- (2) Rated Current based on 10% drop in initial inductance.
- (3) DCR measured on milliohm meter.

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



DIM

Unit	A Max	B Max			
In	0.350	0.240	0.197	0.230	0.180
mm	8.89	6.10	5.00	5.84	4.57

Part Number	Ind. (μH)	Tol. (±%)	DCR (Ω) Max	I sat (A)	I rms (A)
SPL1610-1R0M	1.0	20	0.05	2.50	2.3
SPL1610-1R5M	1.5	20	0.06	2.20	2.1
SPL1610-2R2M	2.2	20	0.07	1.80	1.7
SPL1610-3R3M	3.3	20	0.12	1.40	1.3
SPL1610-4R7M	4.7	20	0.15	1.20	1.1
SPL1610-6R8M	6.8	20	0.20	1.10	1.0
SPL1610-100M	10	20	0.30	1.00	0.90
SPL1610-150M	15	20	0.40	0.80	0.70
SPL1610-220M	22	20	0.54	0.60	0.50
SPL1610-330M	30	20	0.74	0.50	0.45
SPL1610-470M	47	20	1.1	0.45	0.40
SPL1610-680M	68	20	1.6	0.35	0.35
SPL1610-101M	100	20	2.3	0.30	0.30
SPL1610-151M	150	20	3.5	0.25	0.25
SPL1610-221M	220	20	5.7	0.20	0.18
SPL1610-331M	330	20	8.2	0.16	0.16
SPL1610-471M	470	20	10.8	0.14	0.12
SPL1610-681M	680	20	17.2	0.12	0.10
SPL1610-102M	1000	20	22.	0.0	0.08