



POWER INDUCTORS

MODEL NO : SPI-100058B SERIES**Features :**

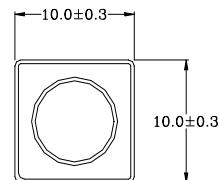
- * SMD version.
- * High power and high performance.
- * Magnetically shielded.
- * Compliant with RoHS and REACH.

Application :

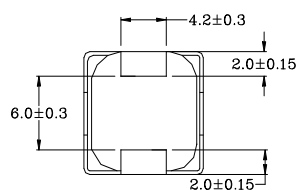
- * PC Cameras. * Routers.
- * DC/DC converter in power regulation system.

**Electrical Specification :****Physical Dimension(unit :mm)**

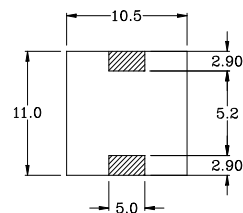
PART NO	INDUCTANCE ($\mu\text{H} \pm 30\%$)	DCR MAX ($\text{m}\Omega$)	SATURATION CURRENT (ADC) (NOTE 3)	TEMPERATURE RISE CURRENT (ADC) (NOTE 2)
SPI-100058B-1R5	1.5	7.2	12.2	10.2
SPI-100058B-2R1	2.1	8.6	10.2	9.5
SPI-100058B-2R8	2.8	9.7	9.4	9.0
SPI-100058B-5R0	5.0	15.0	7.6	7.5
SPI-100058B-7R2	7.2	22.0	6.2	5.8
SPI-100058B-100	10	24.5	5.3	5.5
SPI-100058B-120	12	27.0	5.0	5.3
SPI-100058B-160	16	37.0	3.9	4.3
SPI-100058B-220	22	53.0	3.3	3.6
SPI-100058B-330	33	75.0	2.8	3.0
SPI-100058B-470	47	110	2.3	2.4
SPI-100058B-560	56	134	2.2	2.3
SPI-100058B-680	68	165	2.05	2.05
SPI-100058B-101	100	220	1.7	1.78
SPI-100058B-121	120	255	1.5	1.55
SPI-100058B-151	150	350	1.3	1.35
SPI-100058B-221	220	510	1.1	1.1
SPI-100058B-331	330	800	0.92	0.92
SPI-100058B-102	1000	2300	0.57	0.51



TOP VIEW



BOTTOM VIEW



PCB PATTERN

TOLERANCE: ± 0.3

NOTE (1): Measuring condition : 100 kHz, 0.1 Vrms.

NOTE (2): $\Delta T = 40^\circ\text{C}$ approximately under the temperature rise current.

NOTE (3): The saturation current indicates the value of DC current is approximately 20% lower than its initial value of inductance.

NOTE (4): Operating temperature range: $-30^\circ\text{C} \sim +85^\circ\text{C}$.

NOTE (5): Storage time :The recommended storage time of Inductor is maximum 12 months, and don't suggest to use the parts over 12 months.

PACKAGING SPEC:

1. REEL SIZE & UNITS PER REEL :13",600PCS.
2. TAPE WIDTH:24mm.
3. REEL WIDTH:29.5mm.
4. COMPONENT PITCH:16mm.