



POWER INDUCTORS

MODEL NO. : SPI-120060B SERIES

Features :

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



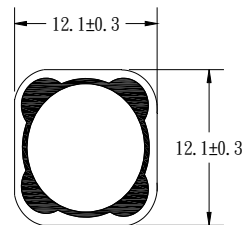
Application :

- * Routers.
- * LED TV.
- * DC/DC converter in power regulation system.

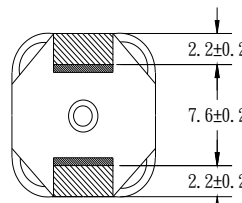
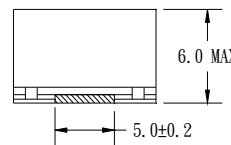
Electrical Specification :

Physical Dimension : (unit : mm)

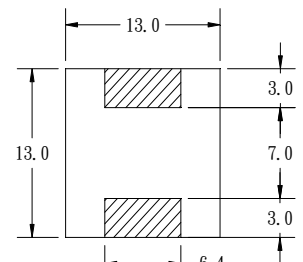
PART NO	INDUCTANCE (uH)	DCR MAX (Ω)	RATED CURRENT (ADC)	
SPI-120060B-2R2	2.2	0.011	7.00	
SPI-120060B-4R7	4.7	0.015	5.00	
SPI-120060B-6R8	6.8	0.019	4.90	
SPI-120060B-8R2	8.2	0.023	4.80	
SPI-120060B-100	10	0.027	4.50	
SPI-120060B-120	12	0.027	3.50	
SPI-120060B-150	15	0.030	3.30	
SPI-120060B-180	18	0.034	3.00	
SPI-120060B-220	22	0.043	2.80	
SPI-120060B-270	27	0.055	2.30	
SPI-120060B-330	33	0.060	2.10	
SPI-120060B-390	39	0.068	2.00	
SPI-120060B-470	47	0.083	1.80	
SPI-120060B-560	56	0.11	1.70	
SPI-120060B-680	68	0.14	1.50	
SPI-120060B-820	82	0.19	1.40	
SPI-120060B-101	100	0.22	1.30	
SPI-120060B-121	120	0.23	1.10	
SPI-120060B-151	150	0.25	1.00	
SPI-120060B-181	180	0.29	0.90	
SPI-120060B-221	220	0.40	0.80	
SPI-120060B-271	270	0.46	0.75	
SPI-120060B-331	330	0.51	0.68	
SPI-120060B-391	390	0.69	0.65	
SPI-120060B-471	470	0.80	0.58	
SPI-120060B-561	560	1.00	0.54	
SPI-120060B-681	680	1.20	0.48	
SPI-120060B-821	820	1.34	0.43	
SPI-120060B-102	1000	1.53	0.40	



TOP VIEW



BOTTOM VIEW



PCB PATTERN

TOLERANCE: ±0.3

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

NOTE (2): 2.2uH~8.2uH: +40%/-20%,10uH~1000uH: ±20%.

NOTE (3): The rated current indicates the value of DC current is approximately 25% lower than its initial value of inductance and $\Delta T=40^{\circ}\text{C}$ approximately.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",500PCS.
2. TAPE WIDTH:24mm.
3. REEL WIDTH:29.5mm.
4. COMPONENT PITCH:16mm.