



POWER INDUCTORS

MODEL NO : SPI-120080B 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-120080B-1R5	1.5	0.0103	9.80	
SPI-120080B-2R4	2.4	0.0115	8.00	
SPI-120080B-3R5	3.5	0.0135	7.50	
SPI-120080B-4R7	4.7	0.0158	6.80	
SPI-120080B-6R1	6.1	0.0176	6.60	
SPI-120080B-8R0	8.0	0.0210	5.40	
SPI-120080B-100	10	0.0216	5.40	
SPI-120080B-120	12	0.0243	4.90	
SPI-120080B-150	15	0.0310	4.50	
SPI-120080B-180	18	0.0392	3.90	
SPI-120080B-220	22	0.0432	3.60	
SPI-120080B-270	27	0.0459	3.40	
SPI-120080B-330	33	0.0648	3.00	
SPI-120080B-390	39	0.0729	2.75	
SPI-120080B-470	47	0.10	2.50	
SPI-120080B-560	56	0.11	2.35	
SPI-120080B-680	68	0.14	2.10	
SPI-120080B-820	82	0.16	1.95	
SPI-120080B-101	100	0.22	1.70	
SPI-120080B-121	120	0.25	1.60	
SPI-120080B-151	150	0.28	1.42	
SPI-120080B-181	180	0.35	1.30	
SPI-120080B-221	220	0.39	1.16	
SPI-120080B-271	270	0.56	1.06	
SPI-120080B-331	330	0.64	0.95	
SPI-120080B-391	390	0.70	0.88	
SPI-120080B-471	470	0.98	0.79	
SPI-120080B-561	560	1.07	0.73	
SPI-120080B-681	680	1.46	0.67	
SPI-120080B-821	820	1.64	0.60	
SPI-120080B-102	1000	1.82	0.55	

TOP VIEW

BOTTOM VIEW

PCB PATTERN

TOLERANCE : ±0.3

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

NOTE (2): 1.5uH~8.0uH: +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.