



POWER INDUCTORS

MODEL NO. : SPI-047030 SERIES

Features :

- * SMD version.
- * Low profile and high power.
- * Magnetically shielded.
- * Compliant with RoHS and REACH.

Application :

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



Electrical Specification :

PART NO	INDUCTANCE (uH)	DCR MAX (Ω)	SATURATION CURRENT(ADC) (NOTE 3)	TEMPERATURE RISE CURRENT (ADC) (NOTE 4)
SPI-047030-0R9	0.9	0.019	3.80	4.50
SPI-047030-2R0	2.0	0.024	2.60	3.70
SPI-047030-3R0	3.0	0.040	2.20	3.00
SPI-047030-4R7	4.7	0.062	1.80	2.80
SPI-047030-6R3	6.3	0.070	1.30	1.90
SPI-047030-100	10	0.095	1.15	1.60
SPI-047030-150	15	0.13	1.00	1.50
SPI-047030-220	22	0.17	0.85	1.30
SPI-047030-330	33	0.23	0.70	1.15
SPI-047030-470	47	0.31	0.52	0.85
SPI-047030-680	68	0.45	0.47	0.75
SPI-047030-101	100	0.62	0.26	0.65
SPI-047030-151	150	1.20	0.21	0.45
SPI-047030-471	470	3.00	0.15	0.35
SPI-047030-681	680	4.60	0.10	0.30
SPI-047030-102	1000	6.2	0.11	0.25

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

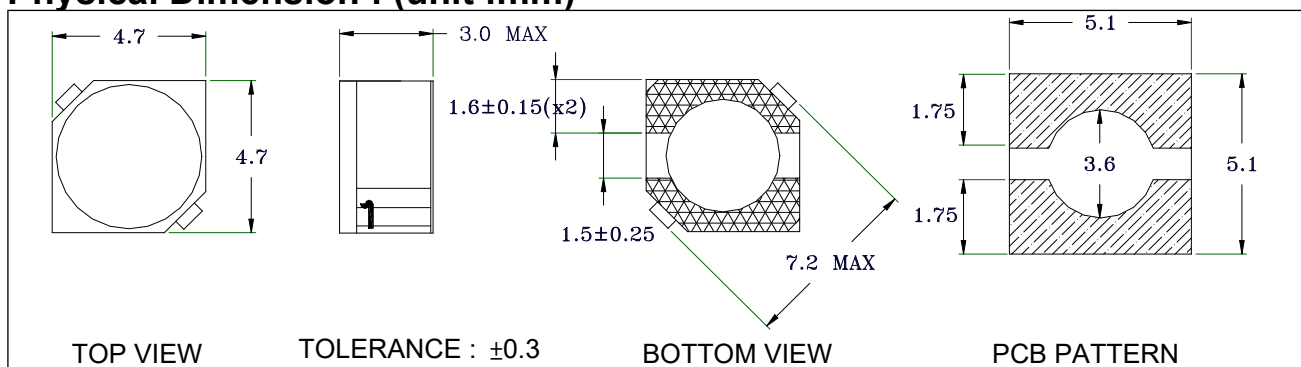
NOTE(2): 0.9~6.3 uH:±30%, 10~1000 uH: ±20%.

NOTE(3): The saturation current indicates the value of DC current is approximately 30% lower than its initial value of inductance.

NOTE(4): $\Delta T=40^{\circ}\text{C}$ approximately under the temperature rise current.NOTE(5): Operating temperature range: $-40^{\circ}\text{C}\sim+125^{\circ}\text{C}$.

NOTE(6): Storage time :The recommended storage time of Inductor is maximum 12 months, and don't suggest to use the parts over 12 months.

Physical Dimension : (unit :mm)



PACKAGING SPEC:

1. REEL SIZE & UNITS PER REEL :13",1500PCS.
2. TAPE WIDTH:16mm.
3. REEL WIDTH:22.4mm.
4. COMPONENT PITCH:12mm.