

**POWER INDUCTORS****MODEL NO : SPI-047040 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 :

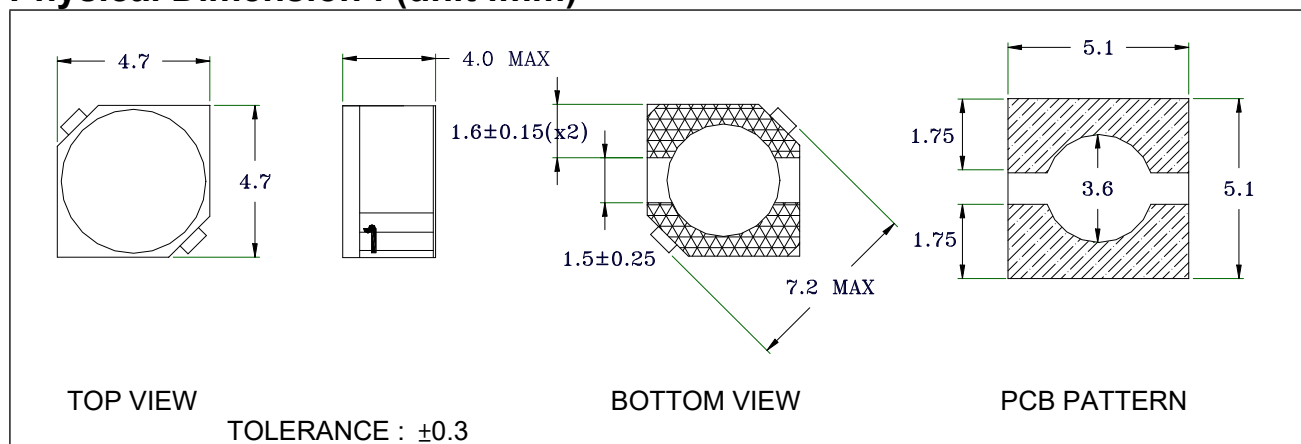
PART NO	INDUCTANCE (uH) $\pm 30\%$	DCR MAX (m Ω)	SATURATION CURRENT(ADC) (NOTE 2)	TEMPERATURE RISE CURRENT (ADC) (NOTE 3)
SPI-047040-2R2	2.2	35	3.5	4.5
SPI-047040-4R7	4.7	46	2.5	3.5
SPI-047040-6R8	6.8	55	2.0	2.8
SPI-047040-8R2	8.2	65	1.8	2.5
SPI-047040-100	10	77	1.6	2.2
SPI-047040-220	22	165	1.3	1.6
SPI-047040-330	33	220	1.1	1.3
SPI-047040-470	47	300	0.8	1.1

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

NOTE(2): The saturation current indicates the value of DC current is approximately 30% lower than its initial value of inductance.

NOTE(3): $\Delta T=40^{\circ}\text{C}$ approximately under the temperature rise current.NOTE(4): Operating temperature range: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$.

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.

Physical Dimension : (unit :mm)**PACKAGING SPEC:**

1. REEL SIZE & UNITS PER REEL :13",1500PCS.
2. TAPE WIDTH:12mm.
3. REEL WIDTH:16.2mm.
4. COMPONENT PITCH:8mm.