



POWER INDUCTORS

MODEL NO : SPI-105045 SERIES(CDRH8D43 COMPATIBLE)**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 :**

PART NO	INDUCTANCE (uH) $\pm 30\%$	DCR MAX (m Ω)	TEMPERATURE RISE CURRENT (ADC) (NOTE 2)	SATURATION CURRENT (ADC) (NOTE 3)
SPI-105045-2R0	2.0	14	6.40	7.00
SPI-105045-3R9	3.9	19	5.00	5.90
SPI-105045-4R7	4.7	22	4.60	5.60
SPI-105045-6R8	6.8	25	4.20	4.40
SPI-105045-100	10	36	3.60	4.00
SPI-105045-150	15	53	2.65	2.90
SPI-105045-220	22	75	2.10	2.60
SPI-105045-330	33	125	1.60	2.25
SPI-105045-470	47	150	1.45	1.80
SPI-105045-680	68	240	1.20	1.50
SPI-105045-101	100	360	0.92	1.30

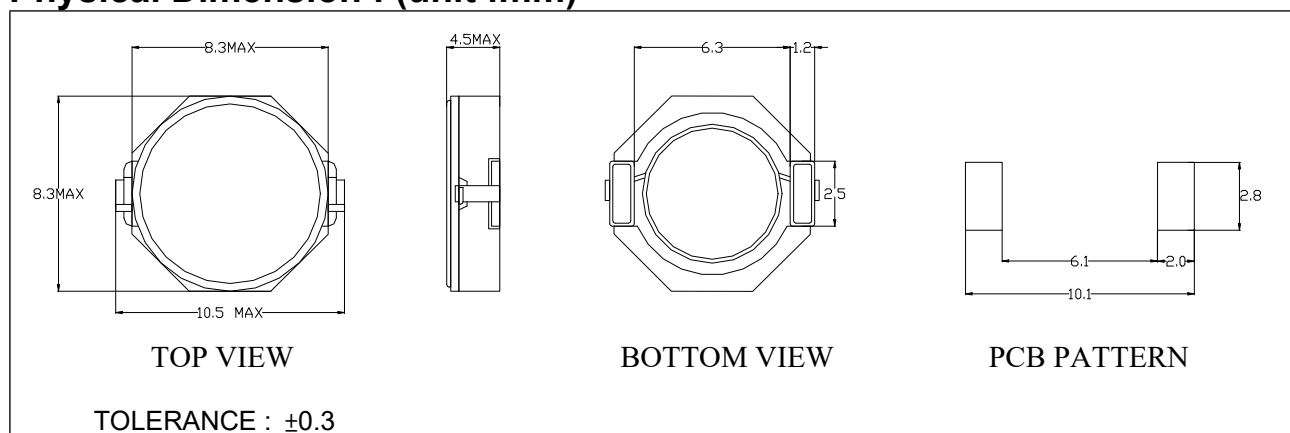
NOTE(1): Measuring CONDITION : 100 KHZ, 0.1Vrms.

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 35% 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.

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

1. REEL SIZE & UNITS PER REEL :13",1000PCS.
2. TAPE WIDTH:24mm.
3. REEL WIDTH:29.5mm.
4. COMPONENT PITCH:12mm.