



POWER INDUCTORS

MODEL NO : SPI-100048 SERIES (CDRH105R COMPATIBLE)**Features :**

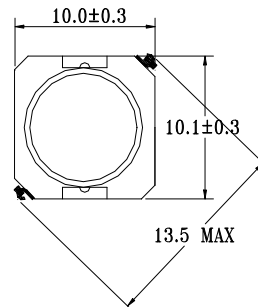
- * SMD version.
- * High power and high performance.
- * Magnetically shielded.
- * Compliant with RoHS and REACH.

Application

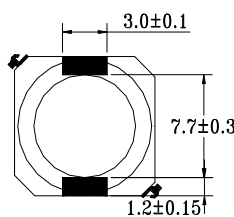
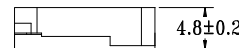
- * PC Cameras. * Routers.
- * DC/DC converter in power regulation system.

**Electrical Specification :**

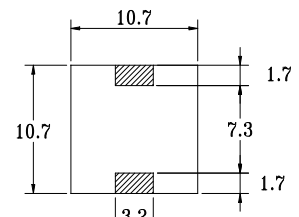
PART NO	INDUCTANCE ($\mu\text{H} \pm 30\%$)	DCR MAX (m Ω)	RATED CURRENT (ADC) (NOTE 2)
SPI-100048-1R3	1.3	8	10.0
SPI-100048-1R5	1.5	9	9.0
SPI-100048-2R1	2.1	9.5	7.6
SPI-100048-3R2	3.2	12	6.1
SPI-100048-4R4	4.4	18	5.8
SPI-100048-5R9	5.9	20	5.6
SPI-100048-7R6	7.6	25	4.9
SPI-100048-100	10	30	4.4
SPI-100048-120	12	35	4.1
SPI-100048-150	15	45	3.7
SPI-100048-180	18	60	3.2
SPI-100048-220	22	70	3.0
SPI-100048-270	27	80	2.9
SPI-100048-330	33	90	2.4
SPI-100048-390	39	105	2.2
SPI-100048-470	47	120	2.2
SPI-100048-560	56	150	1.9
SPI-100048-680	68	200	1.6
SPI-100048-820	82	250	1.4
SPI-100048-101	100	300	1.3
SPI-100048-121	120	350	1.2
SPI-100048-151	150	500	1.0

Physical Dimension : (unit :mm)

TOP VIEW



BOTTOM VIEW



PCB PATTERN

TOLERANCE : ± 0.3

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

NOTE(2): The rated current indicates the value of DC current is approximately 35% lower than its initial value of inductance and $\Delta T=40^{\circ}\text{C}$ approximately.NOTE(3): Operating temperature range: $-30^{\circ}\text{C} \sim +85^{\circ}\text{C}$.

NOTE(4): 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",800PCS.
2. TAPE WIDTH:24mm.
3. REEL WIDTH:29.5mm.
4. COMPONENT PITCH:16mm.