

# SMD

## HIGH CURRENT INDUCTORS

MODEL NO. : SSC-07650N2 HF SERIES

### FEATURES:

- \* LOW CORE LOSS, HIGH EFFICIENCY PERFORMANCE, HIGH MAGNETIC CHARACTERISTICS.
- \* AEC-Q200 COMPLAINE.
- \* RIBBON WIRE STRUCTURE.
- \* CUSTOM DESIGNS AVAILABLE.
- \* COMPLIANT WITH RoHS AND HALOGEN FREE.



### APPLICATION :

- \* NOTEBOOK COMPUTERS. \* VGA CARD.
- \* DC/DC CONVERTER IN POWER REGULATION SYSTEM.

### ELECTRICAL SPECIFICATION:

PART NO	INDUCTANCE ( $\mu$ H) $\pm 20\%$ @0ADC	INDUCTANCE ( $\mu$ H) TYP	TEMPERATURE RISE CURRENT (ADC)	INDUCTANCE ( $\mu$ H)TYP	SATURATION CURRENT (ADC) (NOTE 3)	DCR $\pm 10\%$ (m $\Omega$ )
SSC-07650N2-R28 HF	0.28 $\pm 30\%$	0.24	23.0	0.20	35.0	0.80
SSC-07650N2-R52 HF	0.52 $\pm 30\%$	0.43	17.0	0.38	25.5	1.40
SSC-07650N2-R85 HF	0.85	0.65	16.5	0.63	20.0	2.15
SSC-07650N2-1R3 HF	1.3	1.00	13.5	0.94	15.5	3.50
SSC-07650N2-1R8 HF	1.8	1.35	11.5	1.32	11.5	4.55
SSC-07650N2-2R4 HF	2.4	1.80	10.0	1.73	9.5	5.80
SSC-07650N2-3R1 HF	3.1	2.30	9.5	2.20	10	7.50
SSC-07650N2-3R8 HF	3.8	2.75	8.5	2.80	8.5	9.70
SSC-07650N2-4R7 HF	4.7	3.45	7.5	3.45	7.5	12.5
SSC-07650N2-5R6 HF	5.6	3.90	7.3	4.20	6.4	13.3
SSC-07650N2-6R8 HF	6.8	4.90	6.5	5.10	6.0	16.4
SSC-07650N2-7R9 HF	7.9	5.80	5.6	5.90	5.5	21.2
SSC-07650N2-9R1 HF	9.1	6.90	5.0	6.95	4.9	24.8

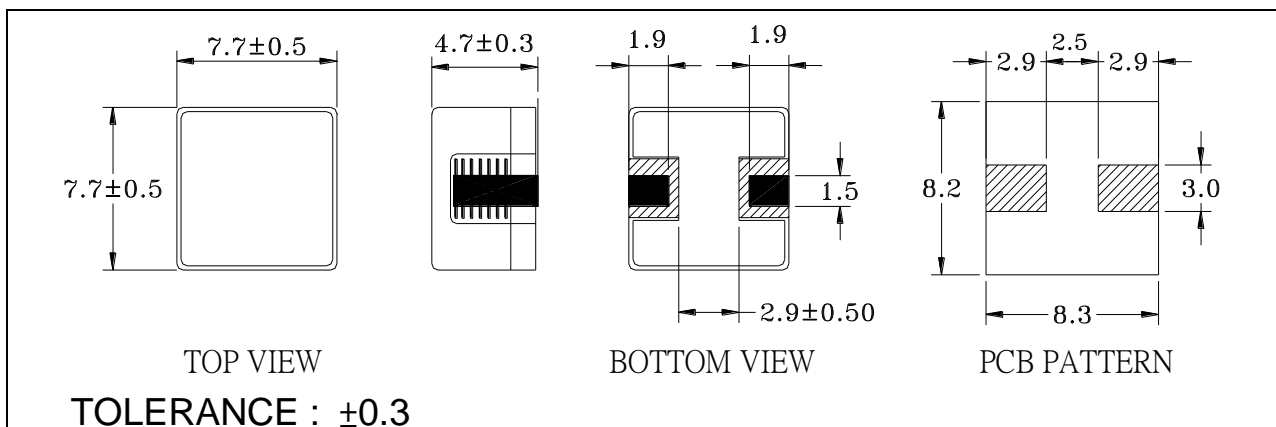
NOTE(1): Test frequency: 100 KHZ,1Vrms.

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 30% lower than its initial value of inductance.

NOTE(4): Operating temperature range:  $-40^{\circ}\text{C} \sim +150^{\circ}\text{C}$

### PHYSICAL DIMENSION : (UNIT:mm)



### PACKAGING SPEC:

1. REEL SIZE & UNITS PER REEL :13",1000PCS.
2. TAPE WIDTH:16mm.
3. REEL WIDTH:21.5mm.
4. COMPONENT PITCH:12mm