

SMD HIGH CURRENT INDUCTORS



MODEL NO. : SSC-10650N2 HF SERIES

FEATURES:

- * LOW CORE LOSS, HIGH EFFICIENCY PERFORMANCE, HIGH MAGNETIC CHARACTERISTICS.
- * CLOSED MAGNETIC FIELD CONSTRUCTION FOR HIGH DENSITY BOARD ASSEMBLY.
- * RIBBON WIRE STRUCTURE.
- * CUSTOM DESIGNS AVAILABLE.
- * COMPLIANT WITH RoHS AND HALOGEN FREE.

APPLICATION :

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



ELECTRICAL SPECIFICATION:

PART NO	INDUCTANCE (μ H) $\pm 20\%$ @0ADC	INDUCTANCE (μ H) TYP	TEMPERATURE RISE CURRENT (ADC)	INDUCTANCE (μ H)TYP	SATURATION CURRENT (ADC) (NOTE 3)	DCR $\pm 10\%$ (m Ω)
SSC-10650N2-R33 HF	0.33 $\pm 30\%$	0.23	27	0.27	20	0.93
SSC-10650N2-R47 HF	0.47 $\pm 30\%$	0.35	27	0.37	24	0.93
SSC-10650N2-R90 HF	0.9	0.63	25	0.72	16.5	1.5
SSC-10650N2-1R5 HF	1.5	1.0	20	1.1	13	2.15
SSC-10650N2-2R2 HF	2.2	1.4	16.5	1.8	9.5	3.5
SSC-10650N2-3R0 HF	3.0	1.9	14	2.4	8.4	4.7
SSC-10650N2-4R0 HF	4.0	2.7	12	3.3	7.5	6.4
SSC-10650N2-5R2 HF	5.2	3.4	11	4.2	6.5	7.8
SSC-10650N2-6R5 HF	6.5	4.3	9.2	5.2	6	10.9

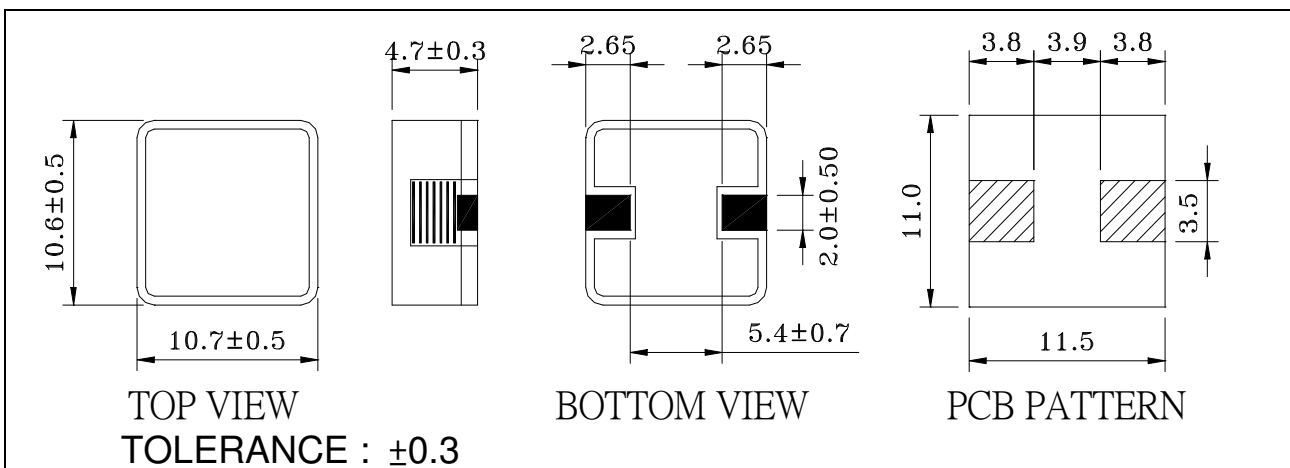
NOTE(1): Test frequency: 100 KHZ, 1Vrms.

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 20% 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",700PCS.
2. TAPE WIDTH:24mm.
3. REEL WIDTH:29.5mm.
4. COMPONENT PITCH:16mm