

SMD

HIGH CURRENT INDUCTORS



MODEL NO. : SSC-06524N2 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.
- * LOWEST HEIGHT(2.4mm) IN THIS PACKAGE FOOTPRINT.
- * COMPLIANT WITH RoHS AND HALOGEN FREE.

APPLICATION :

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



ELECTRICAL SPECIFICATION:

PART NO	INDUCTANCE (μ H) $\pm 20\%$ @0ADC	INDUCTANCE (μ H) TYP @TEMPERATURE RISE CURRENT	TEMPERATURE RISE CURRENT (ADC)	INDUCTANCE (μ H)Typ @ SATURATION CURRENT	SATURATION CURRENT (ADC) (NOTE 3)	DCR $\pm 10\%$ (m Ω)
SSC-06524N2-R14 HF	0.14 $\pm 30\%$	0.12	20	0.11	26	1.65
SSC-06524N2-R32 HF	0.32 $\pm 30\%$	0.28	12	0.26	16	3.85
SSC-06524N2-R64 HF	0.64	0.56	8.5	0.52	11	6.70
SSC-06524N2-1R0 HF	1.0	0.90	5.5	0.80	8.8	16.1

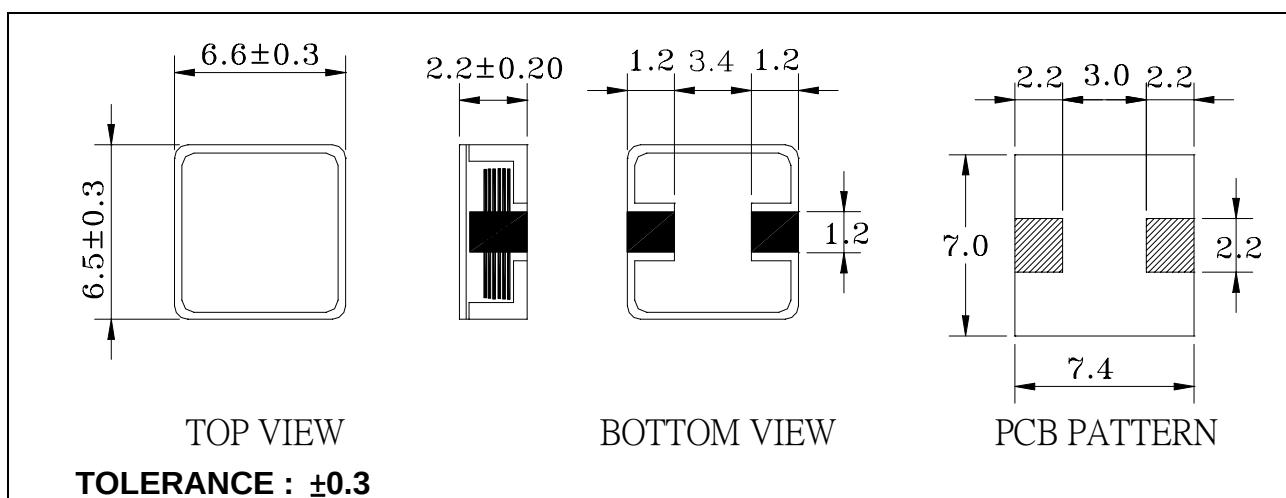
NOTE(1): Test frequency: 100 KHZ,1Vrms.

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",1500PCS.
2. TAPE WIDTH:16mm.
3. REEL WIDTH:22.4mm.
4. COMPONENT PITCH:12mm