

SMD HIGH CURRENT INDUCTORS



MODEL NO. : SSC-12450 HF SERIES

FEATURES:

- * DUST CORES ARE USED AT THE TOP PORTION AND NI-ZN FERRITE CORES AT THE BOTTOM PORTION
- * SUPERIOR QUALITY FOR AN AUTOMATED PRODUCTION LINE.
- * PICK AND PLACE COMPATIBLE.
- * TAPE AND REEL PACKING.
- * COMPLIANT WITH RoHS AND HALOGEN FREE.



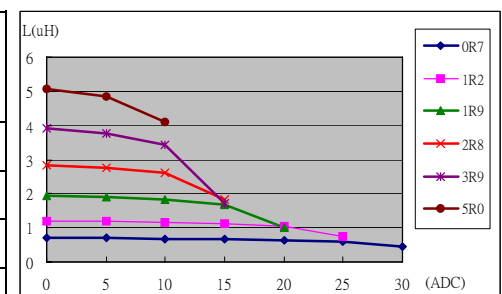
APPLICATION :

- * NOTEBOOK COMPUTERS.
- * SERVERS.

ELECTRICAL SPECIFICATION:

PART NO	INDUCTANCE (uH) $\pm 20\%$	DCR $\pm 10\%$ (m Ω)	INDUCTANCE (uH) TYP @ TEMPERATURE RISE CURRENT	TEMPERATURE RISE CURRENT (ADC)	SATURATION CURRENT (ADC) (NOTE 3)
SSC-12450-0R7 HF	0.7	1.4	0.64	21.5	29.0
SSC-12450-1R2 HF	1.2	2.2	1.05	19.5	23.0
SSC-12450-1R9 HF	1.9	4.0	1.75	14.0	17.5
SSC-12450-2R8 HF	2.8	5.2	2.50	12.0	14.0
SSC-12450-3R9 HF	3.9	8.0	3.40	10.0	12.0
SSC-12450-5R0 HF	5.0	10.0	4.40	9.0	10.6

INDUCTANCE VS DC BIAS:



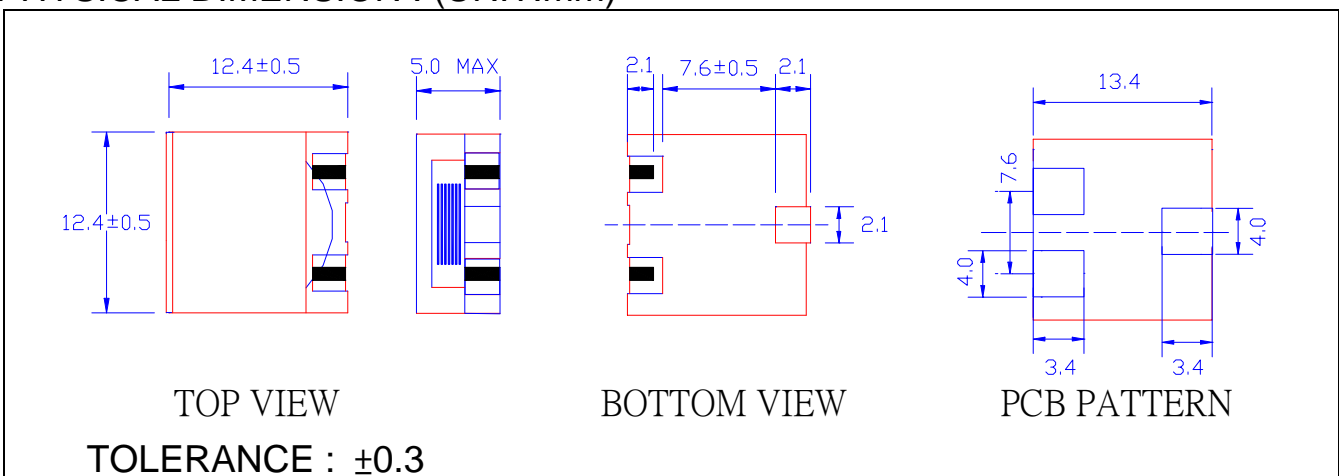
NOTE(1): Test frequency: 100 KHZ, 1Vrms.

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", 400PCS.
2. TAPE WIDTH: 24mm.
3. REEL WIDTH: 29.5mm
4. COMPONENT PITCH: 16mm