

SMD HIGH CURRENT INDUCTORS



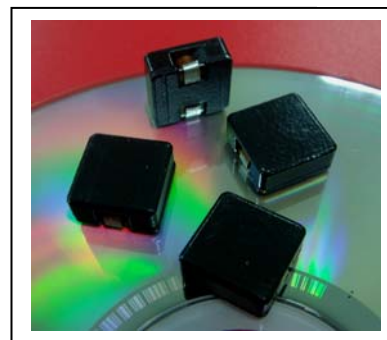
MODEL NO. : SSC-12150 HF SERIES

FEATURES:

- * SUPERIOR QUALITY FOR AN AUTOMATED PRODUCTION LINE.
- * PICK AND PLACE COMPATIBLE.
- * TAPE AND REEL PACKING.
- * COMPLIANT WITH RoHS AND HALOGEN FREE.

APPLICATION :

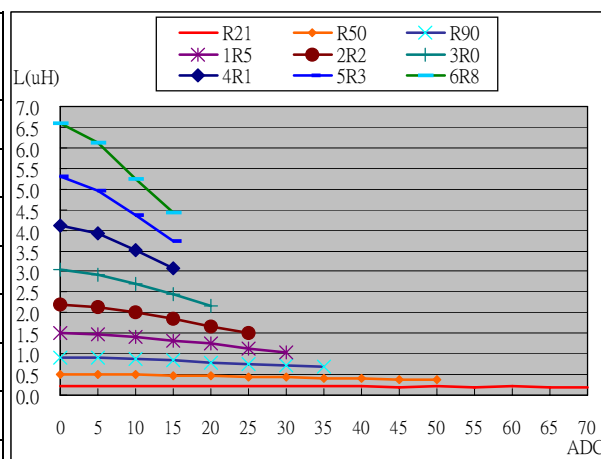
- * NOTEBOOK COMPUTERS.
- * MOTHERBOARD.
- * VGA CARD.



ELECTRICAL SPECIFICATION:

INDUCTANCE VS DC BIAS:

PART NO	INDUCTANCE (uH) $\pm 20\%$	DCR $\pm 10\%$ (m Ω)	INDUCTANCE (uH) TYP	TEMPERATURE RISE CURRENT (ADC)	SATURATION CURRENT (ADC) (NOTE 3)
SSC-12150-R21 HF	0.21 $\pm 30\%$	0.42	0.20	30	70
SSC-12150-R50 HF	0.50	0.82	0.46	24	50
SSC-12150-R90 HF	0.90	1.55	0.78	22	35
SSC-12150-1R5 HF	1.5	2.3	1.25	19	28
SSC-12150-2R2 HF	2.2	3.6	1.82	16	22
SSC-12150-3R0 HF	3.0	5.0	2.5	14	18
SSC-12150-4R1 HF	4.1	6.7	3.4	11.5	15
SSC-12150-5R3 HF	5.3	9.5	4.3	9.5	13
SSC-12150-6R8 HF	6.8	12.0	5.6	8.5	12



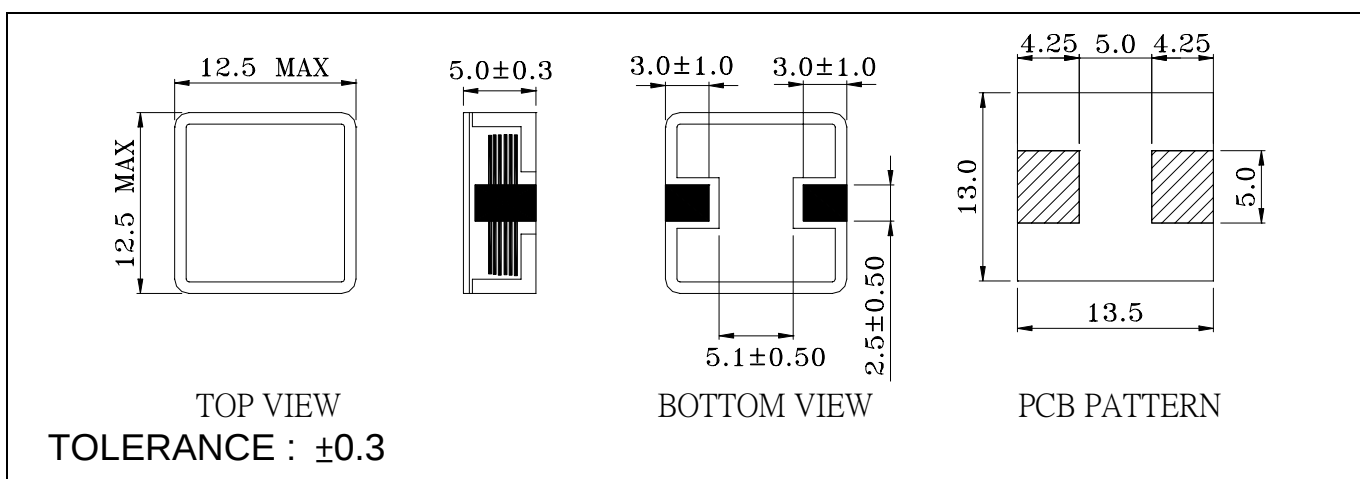
NOTE(1): Test frequency: 100 KHZ, 1Vrms.

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", 500PCS.
2. TAPE WIDTH: 24mm.
3. REEL WIDTH: 29.5mm.
4. COMPONENT PITCH: 16mm