

SMD HIGH CURRENT INDUCTORS



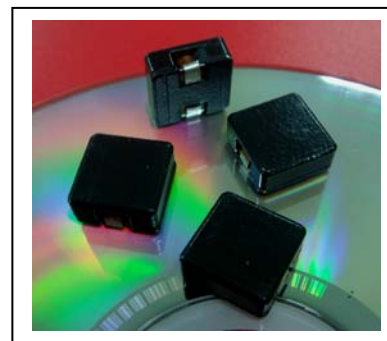
MODEL NO. : SSC-12165 HF SERIES

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:

PART NO	INDUCTANCE (uH) $\pm 20\%$	DCR $\pm 10\%$ (m Ω)	INDUCTANCE (uH) TYP	TEMPERATURE RISE CURRENT (ADC)	SATURATION CURRENT (ADC) (NOTE 3)
SSC-12165-R47 HF	0.47	0.68	0.38	34	44.0
SSC-12165-R90 HF	0.90	1.30	0.70	26	34.0
SSC-12165-1R5 HF	1.50	1.50	1.20	22	28.0
SSC-12165-2R2 HF	2.20	2.40	1.70	18	23.0
SSC-12165-3R3 HF	3.30	3.50	2.30	17	18.0
SSC-12165-4R7 HF	4.70	4.60	3.15	15	16.0
SSC-12165-5R6 HF	5.60	5.60	4.20	12.5	14.0
SSC-12165-6R8 HF	6.80	7.20	5.0	11.5	13.5
SSC-12165-7R6 HF	7.60	9.5	6.0	10.0	13.0
SSC-12165-100 HF	10.0	10.4	7.2	9.5	11.5
SSC-12165-120 HF	12.0	12.3	8.7	8.5	10.5

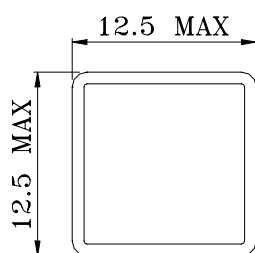
NOTE(1): Test frequency: 100 KHZ,1Vrms.

NOTE(2): $\Delta T=40^{\circ}\text{C}$ approximately under the temperature rise current.

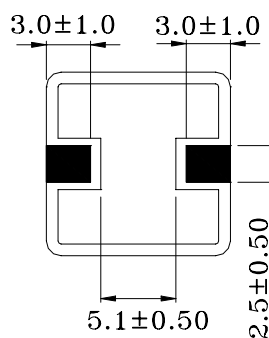
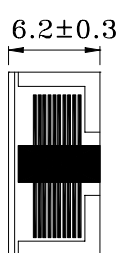
NOTE(3): The saturation current indicates the value of DC current is approximately 30% lower than its initial value of inductance.

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

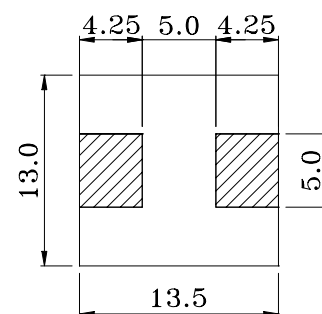
PHYSICAL DIMENSION : (UNIT:mm)



TOP VIEW



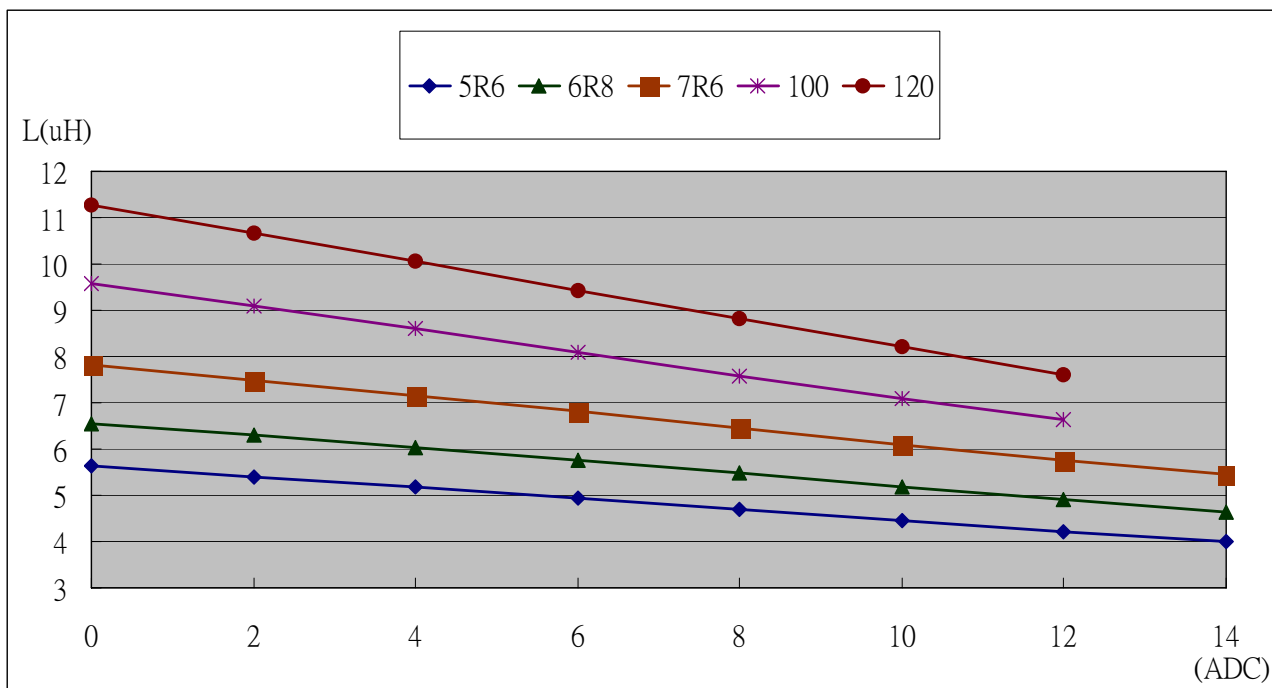
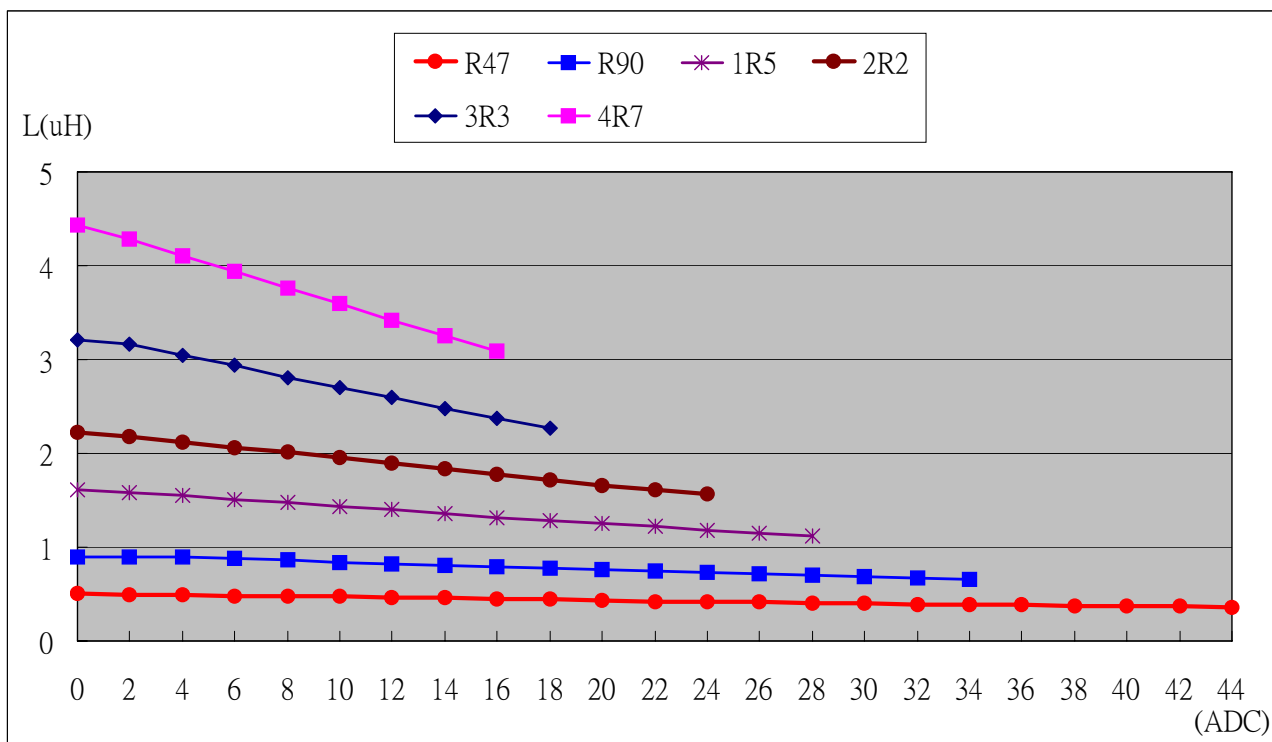
BOTTOM VIEW



PCB PATTERN

TOLERANCE : ± 0.3

INDUCTANCE VS DC BIAS:



PACKAGING SPEC:

1. REEL SIZE & UNITS PER REEL :13",400PCS.
2. TAPE WIDTH:24mm.
3. REEL WIDTH:29.5mm.
4. COMPONENT PITCH:16mm