

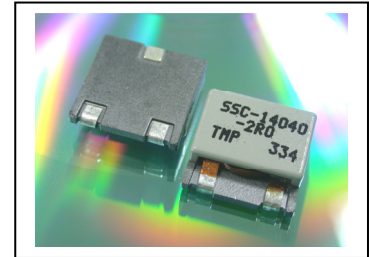
# SMD HIGH CURRENT INDUCTORS



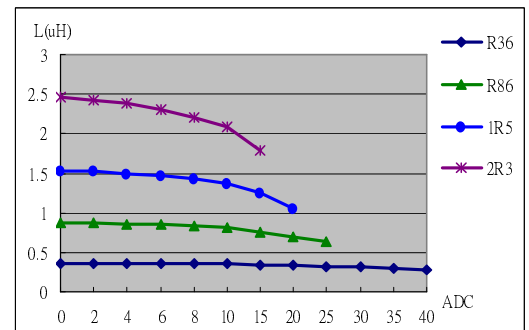
**MODEL NO. : SSC-14040 HF SERIES**

## 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.



## INDUCTANCE VS DC BIAS:



## APPLICATION :

- \* NOTEBOOK COMPUTERS.
- \* VGA CARD.

## ELECTRICAL SPECIFICATION:

PART NO	INDUCTANCE (uH) $\pm 20\%$ @ ADC	INDUCTANCE (uH) TYP	TEMPERATURE RISE CURRENT (ADC)	INDUCTANCE (uH) TYP	SATURATION CURRENT (ADC) (NOTE 3)	DCR MAX (m $\Omega$ )
SSC-14040-R36 HF	0.36	0.32	23	0.28	35	1.6
SSC-14040-R86 HF	0.86	0.7	20	0.66	22	2.3
SSC-14040-1R5 HF	1.5	1.3	13	1.2	16	5.1
SSC-14040-2R3 HF	2.3	2.0	10	1.8	13.5	7.4

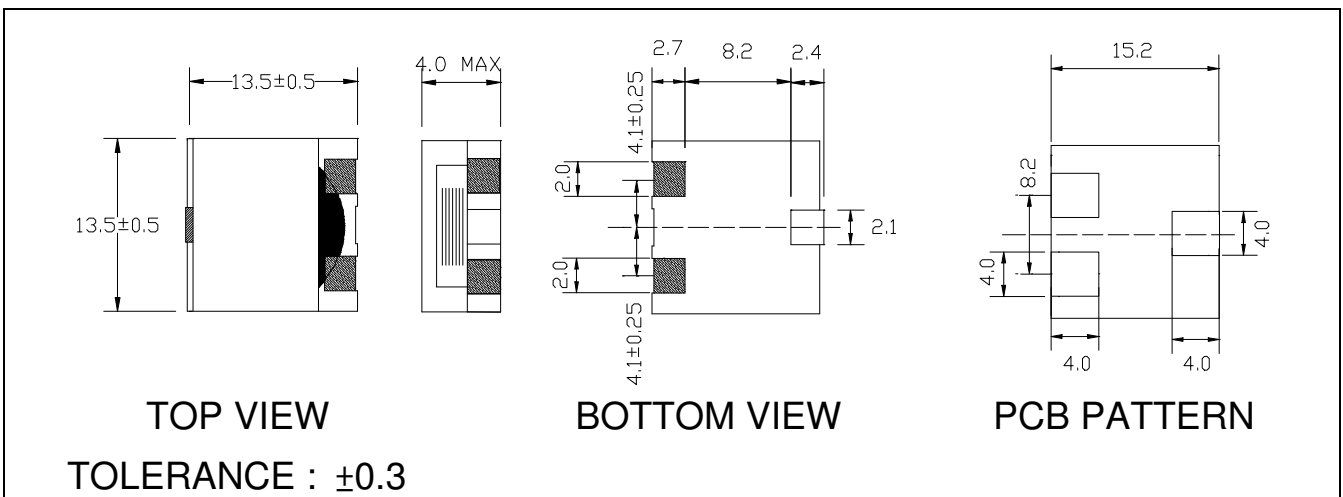
NOTE(1): Test frequency: 100 KHZ, 1Vrms.

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 25% 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