

SMD HIGH CURRENT INDUCTORS

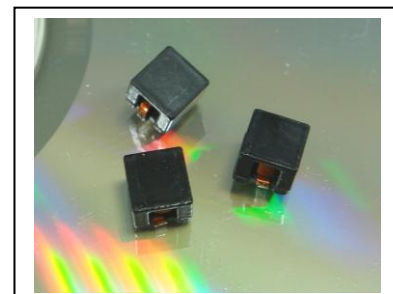
MODEL NO. : SSC-05440N2 HF SERIES

FEATURES:

- * LOW PROFILE, HIGH POWER, LOW LOSS, LOW DCR WITH LARGE CURRENT DESIGN.
- * AEC-Q200 COMPLIANCE.
- * COMPLIANT WITH RoHS AND HALOGEN FREE.

APPLICATION :

- * NOTEBOOK/NETBOOK COMPUTERS * VGA CARD * PDA * SERVER
- * DC/DC CONVERTER IN POWER REGULATION SYSTEM.
- * BATTERY POWERED DEVICES.



ELECTRICAL SPECIFICATION:

PART NO	INDUCTANCE (μ H) $\pm$ 20%. @0ADC	INDUCTANCE (μ H)TYP	TEMPERATURE RISE CURRENT (ADC)	SATURATION CURRENT (ADC) (NOTE 3)	DCR $\pm$ 10% (m Ω)
SSC-05440N2-R32 HF	0.32 $\pm$ 30%	0.21	21.0	17.0	1.88
SSC-05440N2-R47 HF	0.47	0.31	16.5	13.5	3.00
SSC-05440N2-R68 HF	0.68	0.42	14.0	10.5	4.20
SSC-05440N2-1R0 HF	1.0	0.60	12.0	9.0	5.30
SSC-05440N2-1R3 HF	1.3	0.80	9.5	7.5	7.60
SSC-05440N2-2R2 HF	2.2	1.10	8.2	6.0	11.3
SSC-05440N2-3R6 HF	3.6	2.20	5.8	4.5	18.3
SSC-05440N2-4R7 HF	4.7	2.90	5.0	4.0	25.0
SSC-05440N2-5R6 HF	5.6	3.40	4.5	4.0	30.4

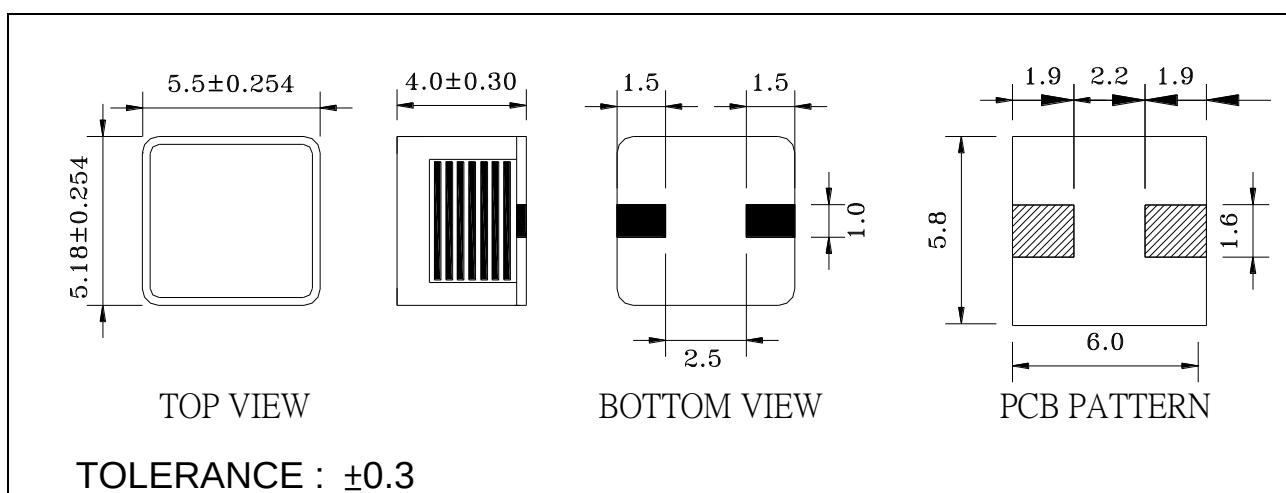
NOTE(1): Test frequency: 100 KHZ,1Vrms.

NOTE(2): $\Delta T=50^{\circ}\text{C}$ 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: $-40^{\circ}\text{C} \sim +150^{\circ}\text{C}$

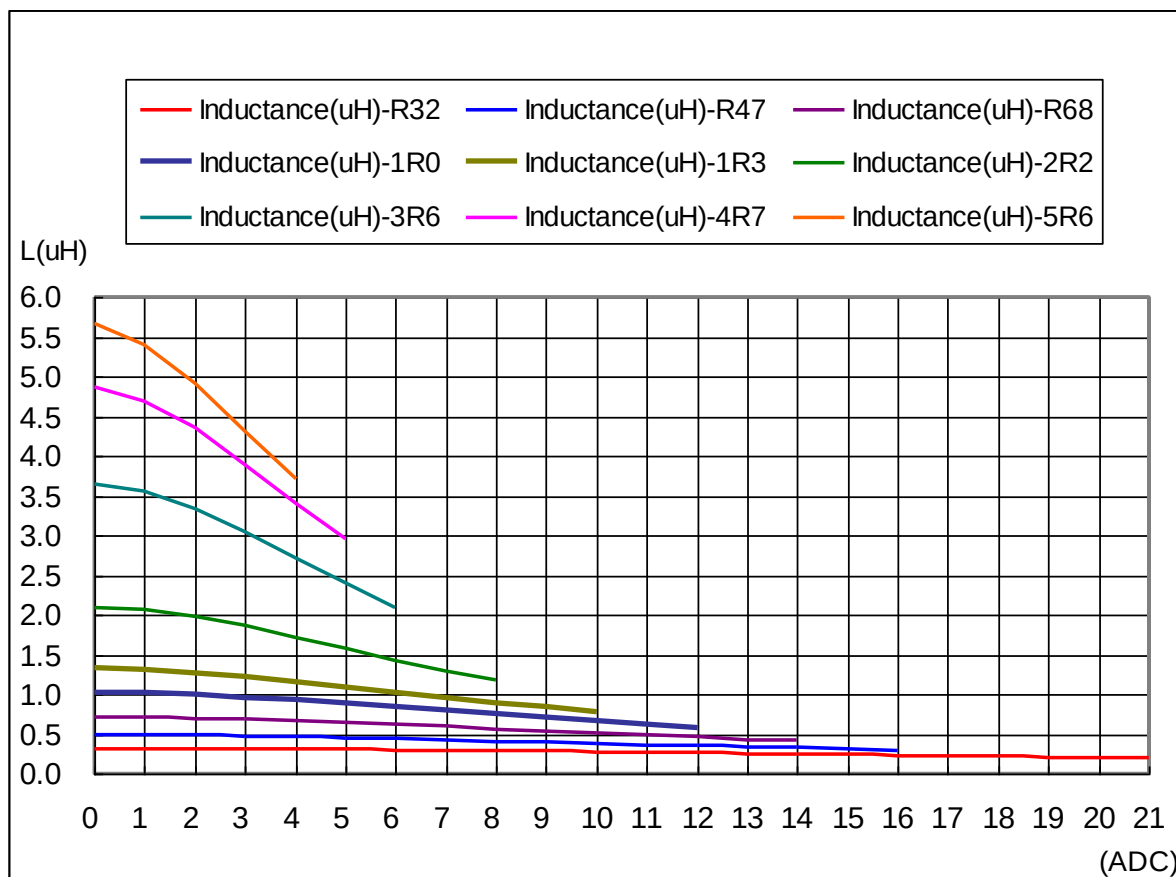
PHYSICAL DIMENSION : (UNIT:mm)



PACKAGING SPEC:

1. REEL SIZE & UNITS PER REEL :13",1800PCS.
2. TAPE WIDTH:12mm.
3. REEL WIDTH:16.2mm.
4. COMPONENT PITCH:8mm

INDUCTANCE VS DC BIAS:



TEMPERATURE RISE VS DC BIAS:

