

SMD HIGH CURRENT INDUCTORS



MODEL NO. : SSC-06865DD HF SERIES

FEATURES:

- * HIGH INDUCTANCE, LOW LOSS AND LOW DCR WITH LARGE CURRENT DESIGN.
- * CLOSED MAGNETIC CIRCUIT CONSTRUCTION FOR HIGH DENSITY BOARD ASSEMBLY .
- * COMPACT SIZE WITH HIGH PERFORMANCE DUST CORE AND RIBBON WIRE STRUCTURE.
- * COMPLIANT WITH RoHS AND HALOGEN FREE.

APPLICATION :

- * NOTEBOOK COMPUTERS. * VGA CARD.
- * DC/DC CONVERTER IN POWER REGULATION SYSTEM.



ELECTRICAL SPECIFICATION:

PART NO	INDUCTANCE (μ H) \pm 20% @0ADC	INDUCTANCE (μ H)TYP @ SATURATION CURRENT	SATURATION CURRENT (ADC) (NOTE 3)	TEMPERATURE RISE CURRENT (ADC)	DCR \pm 10% (m Ω)
SSC-06865DD-150 HF	15	11.0	2.2	4.5	31.6
SSC-06865DD-220 HF	22	16.0	1.8	3.6	45.5
SSC-06865DD-270 HF	27	18.8	1.7	2.9	60.0

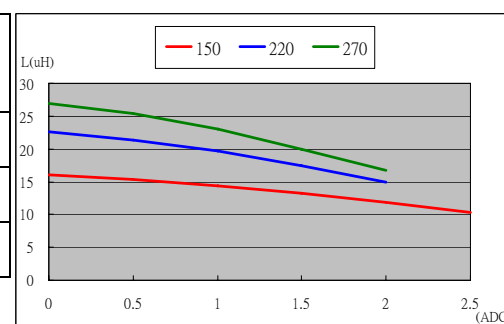
NOTE(1): Test frequency: 100 KHZ,1vrms.

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

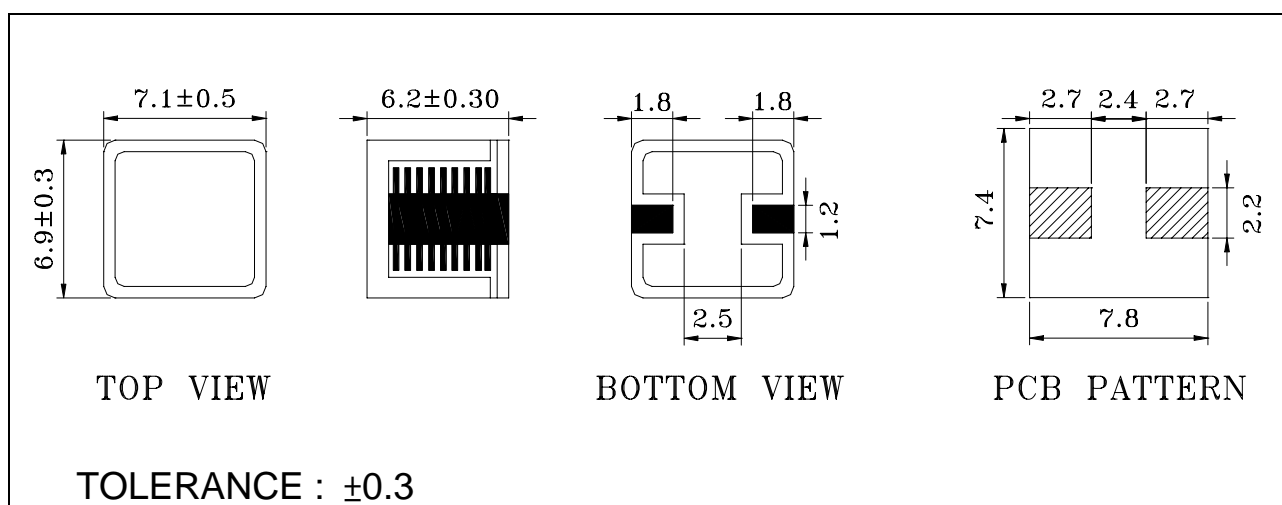
NOTE(3): The saturation current indicates the value of DC current is approximately 30% lower than its initial value of inductance.

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

INDUCTANCE VS DC BIAS:



PHYSICAL DIMENSION : (UNIT:mm)



PACKAGING SPEC:

1. REEL SIZE & UNITS PER REEL :13",800PCS.
2. TAPE WIDTH:16mm.
3. REEL WIDTH:22.4mm.
4. COMPONENT PITCH:12mm