

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.

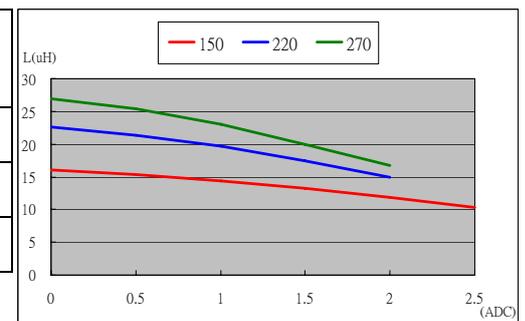


ELECTRICAL SPECIFICATION:

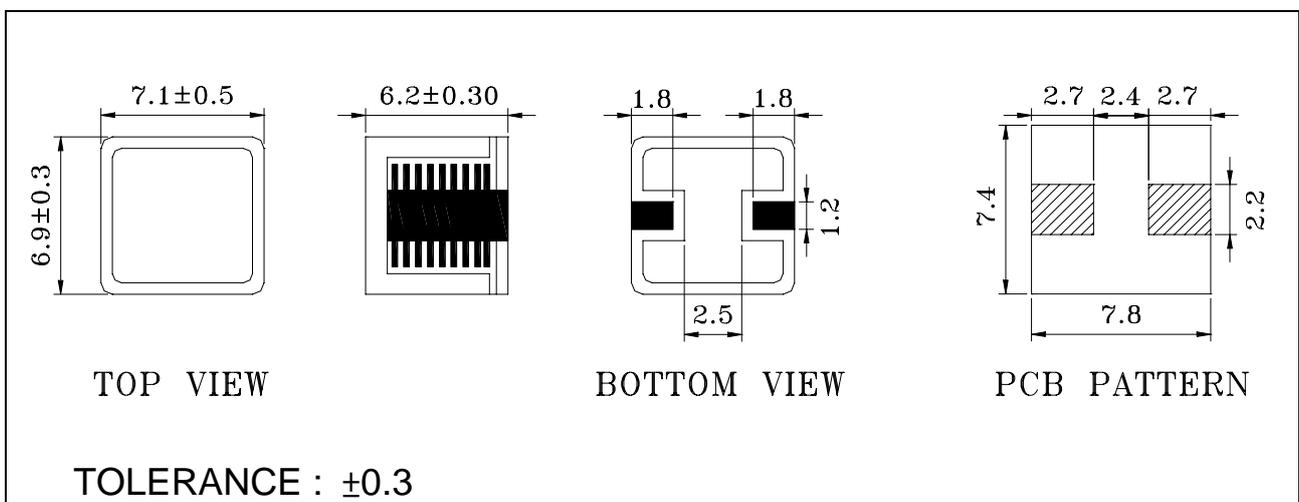
| PART NO | INDUCTANCE (μ H) \pm 20% @0ADC | INDUCTANCE (μ H)TYP @ SATURATION CURRENT | SATURATION CURRENT (ADC) (NOTE 3) | TEMPERATURE RISE CURRENT (ADC) | DCR \pm 10% (m Ω) |
|--------------------|---|--|--|--------------------------------------|-----------------------------------|
| SSC-06865DD-150 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): Δ T =40 $^{\circ}$ 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 $^{\circ}$ C ~+150 $^{\circ}$ 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