

SMD HIGH CURRENT INDUCTORS



MODEL NO. : SSC-06845 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-06845-R22 HF	0.22 $\pm 30\%$	1.02	0.17	21.0	24.5
SSC-06845-R41 HF	0.41 $\pm 30\%$	1.75	0.31	17.5	18.5
SSC-06845-R68 HF	0.68	2.45	0.44	15.5	13.0
SSC-06845-1R0 HF	1.0	3.7	0.66	12.5	9.0
SSC-06845-1R2 HF	1.2	5.8	0.82	10.0	8.5
SSC-06845-1R8 HF	1.8	7.3	1.25	9.0	8.0
SSC-06845-2R2 HF	2.2	8.1	1.50	8.7	7.5
SSC-06845-2R8 HF	2.8	11.5	1.95	6.8	5.8
SSC-06845-3R3 HF	3.3	15.6	2.4	5.75	5.5
SSC-06845-4R7 HF	4.7	20	3.7	5.3	5.5

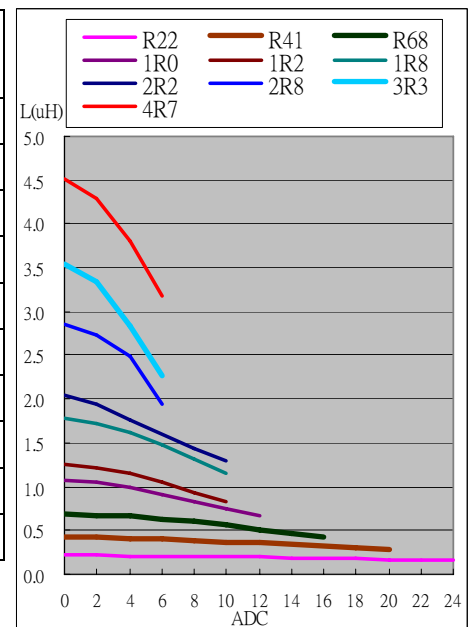
NOTE(1): Test frequency: 100 KHZ, 1Vrms.

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

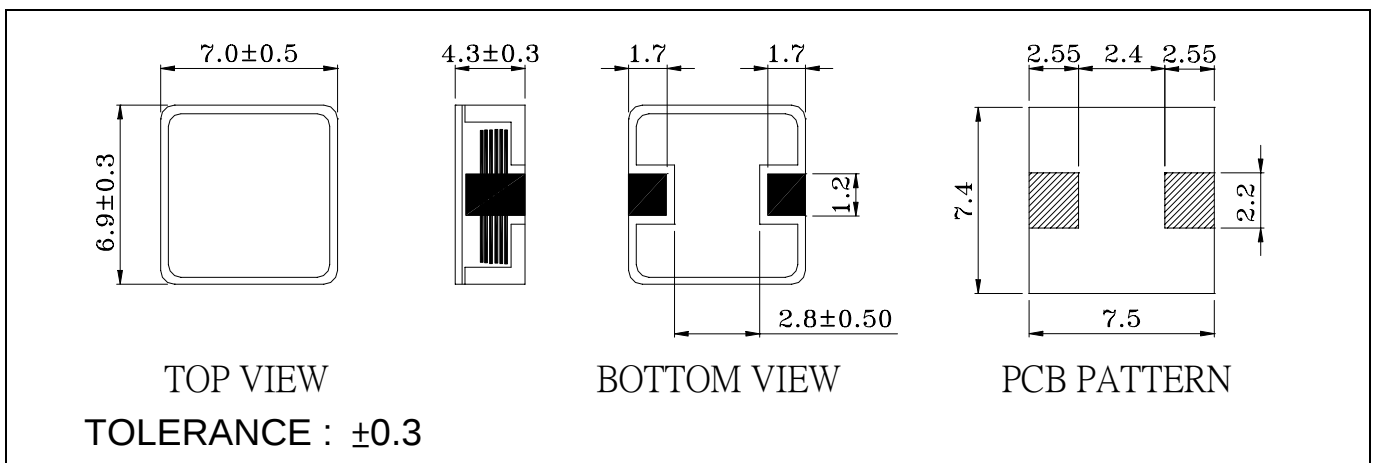
NOTE(3): The saturation current indicates the value of DC current is approximately 30% lower than its initial value of inductance.

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

INDUCTANCE VS DC BIAS:



PHYSICAL DIMENSION : (UNIT:mm)



PACKAGING SPEC:

1. REEL SIZE & UNITS PER REEL :13",1000PCS.
2. TAPE WIDTH:16mm.
3. REEL WIDTH:22.4mm.
4. COMPONENT PITCH:12mm