

SMD

HIGH CURRENT INDUCTORS



MODEL NO. : SSC-06805DD HF SERIES

FEATURES:

- * LOW PROFILE, HIGH POWER, LOW LOSS, 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	TEMPERATURE RISE CURRENT (ADC)	INDUCTANCE (μ H)TYP	SATURATION CURRENT (ADC) (NOTE 3)	DCR $\pm$ 10% (m Ω)
SSC-06805DD-R24 HF	0.24 $\pm$ 30%	0.19	24.0	0.18	30.0	0.93
SSC-06805DD-R47 HF	0.47	0.35	22.0	0.36	20.5	1.60
SSC-06805DD-R76 HF	0.76	0.54	17.0	0.55	15.0	2.50
SSC-06805DD-1R1 HF	1.1	0.75	15.0	0.8	13.0	3.20
SSC-06805DD-1R5 HF	1.5	1.0	13.0	1.1	12.0	4.50
SSC-06805DD-2R0 HF	2.0	1.4	11.0	1.5	10.0	6.20
SSC-06805DD-2R6 HF	2.6	1.8	9.0	1.9	8.0	8.70
SSC-06805DD-3R3 HF	3.3	2.2	8.5	2.4	7.0	9.50
SSC-06805DD-4R0 HF	4.0	2.7	7.0	2.9	6.0	13.10
SSC-06805DD-4R9 HF	4.9	3.4	6.5	3.5	6.0	15.10
SSC-06805DD-5R8 HF	5.8	3.9	6.0	4.3	5.0	17.80
SSC-06805DD-6R5 HF	6.5	4.5	5.3	4.7	5.0	22.2
SSC-06805DD-7R6 HF	7.6	5.4	4.4	5.65	3.8	27.7
SSC-06805DD-8R5 HF	8.5	5.9	4.4	6.4	3.5	29.4
SSC-06805DD-100 HF	10	7.2	3.7	7.3	3.5	32.7

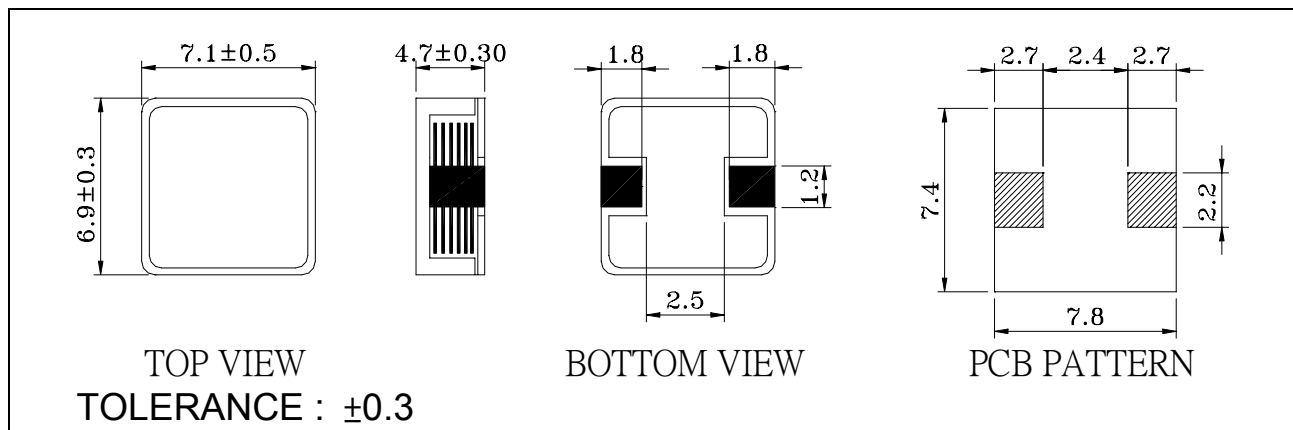
NOTE(1): Test frequency: 100 KHZ,1vrms.

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

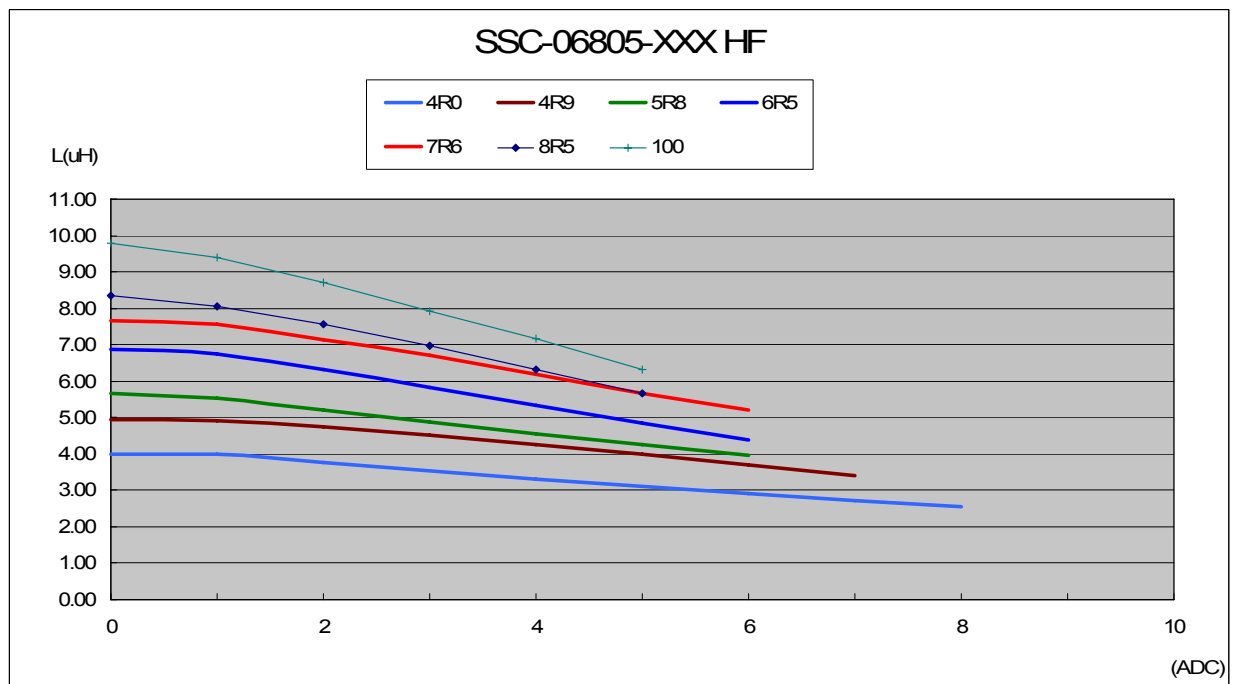
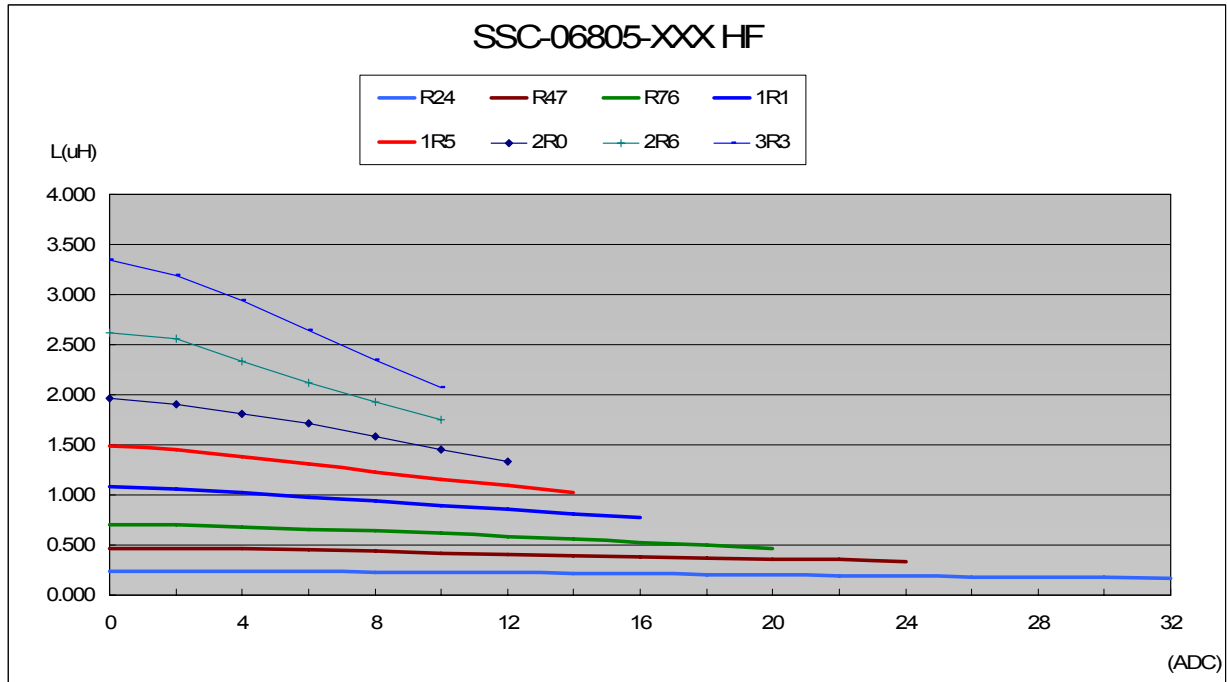
NOTE(3): The saturation current indicates the value of DC current is approximately 30% lower than its initial value of inductance.

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

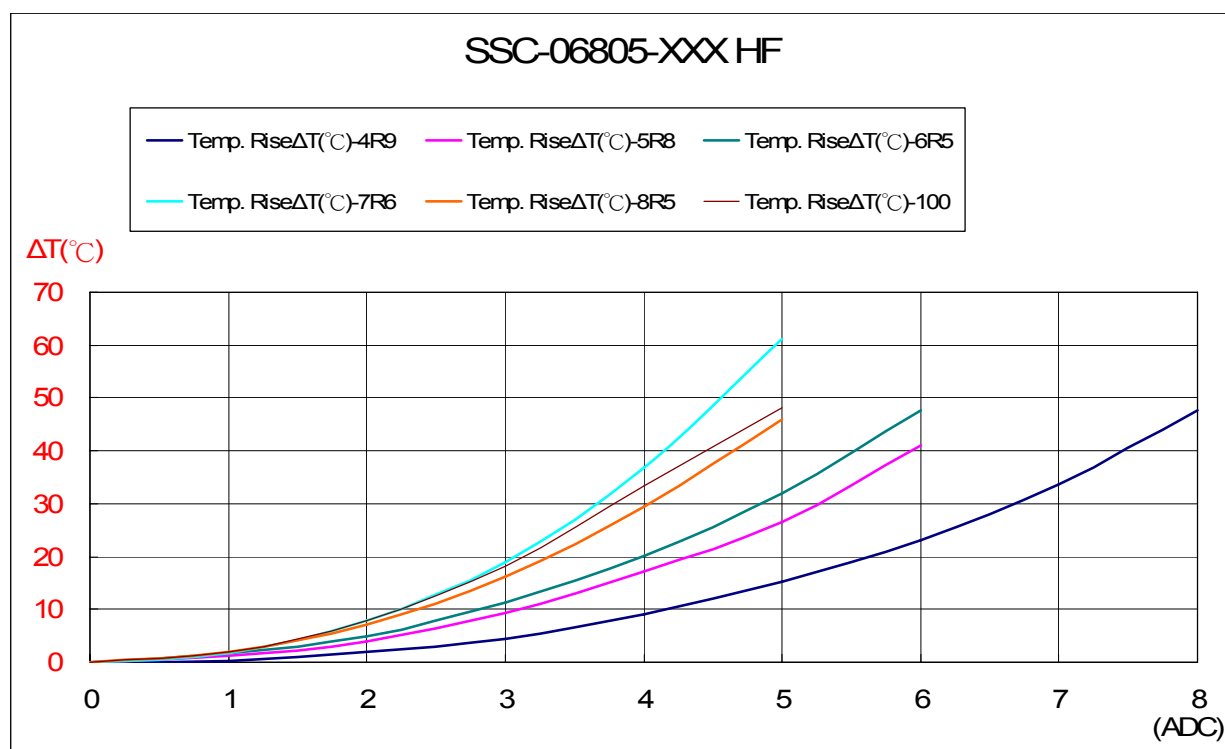
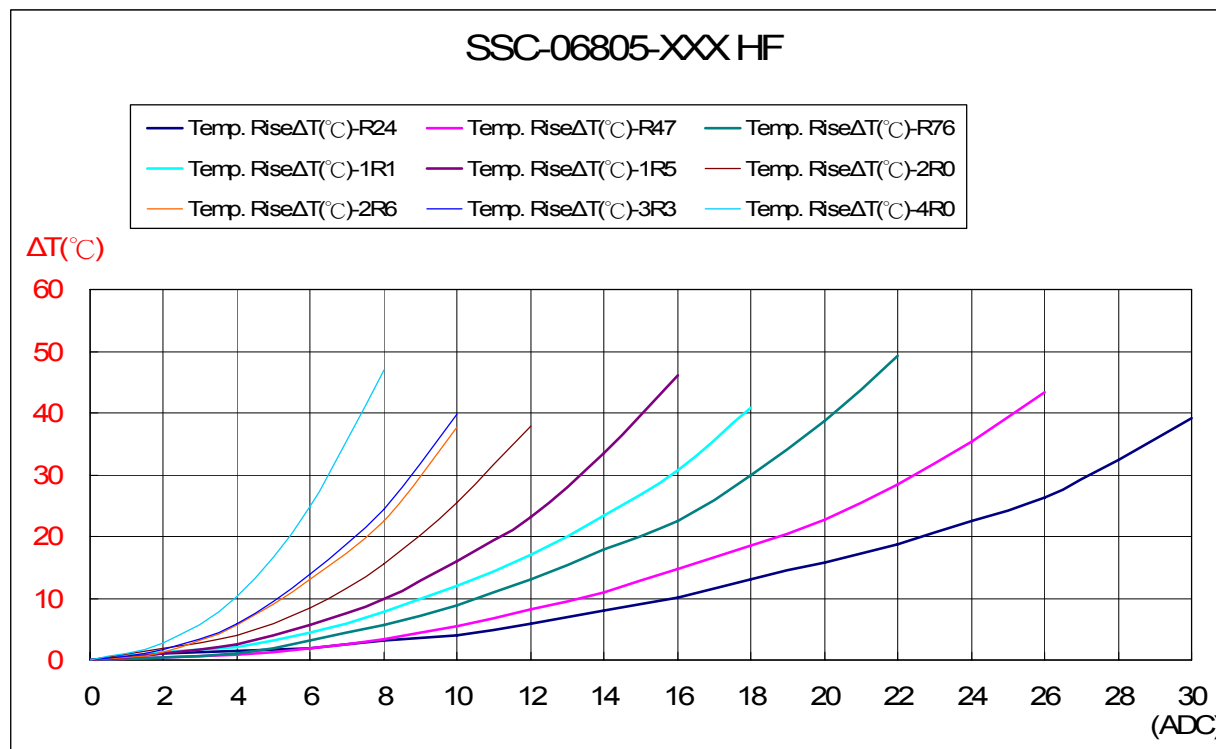
PHYSICAL DIMENSION : (UNIT:mm)



INDUCTANCE VS DC BIAS:



TEMPERATURE RISE VS DC BIAS:



PACKAGING SPEC:

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