

SMD HIGH CURRENT INDUCTORS



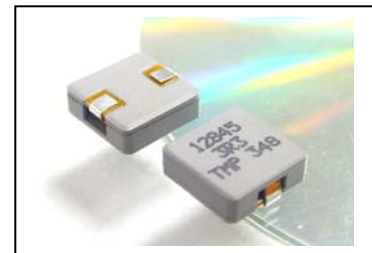
MODEL NO. : SSC-12845 HF SERIES

FEATURES:

- * LOW PROFILE, HIGH POWER, LOW LOSS, LOW DCR.
- * CLOSED MAGNETIC CIRCUIT CONSTRUCTION FOR HIGH DENSITY BOARD ASSMEBLY .
- * COMPACT SIZE WITH HIGH PERFORMANCE BY METAL DUST CORE AND RIBBON WIRE STRUCTURE .
- * SOLUTION FOR STRONGER STRUCTURE AND MORE EFFICIENT NOISE SUPPRESSION.
- * CUSTOM DESIGNS AVAILABLE.
- * COMPLIANT WITH RoHS AND HALOGEN FREE.

APPLICATION :

- * DC/DC CONVERTER IN POWER REGULATION SYSTEM.
- * CPU INDUCTOR IN NOTEBOOK COMPUTERS.
- * VGA CARD.
- * INDUCTOR FOR GENERAL PURPOSE AVAILABLE.



ELECTRICAL SPECIFICATION:

PART NO	INDUCTANCE @0ADC $\mu H \pm 25\%$	INDUCTANCE (μH) $\pm 20\%$	TEMPERATURE RISE CURRENT (ADC)	INDUCTANCE (μH) $\pm 20\%$	SATURATION CURRENT (ADC) (NOTE 3)	DCR MAX (m Ω)
SSC-12845-R52 HF	0.52	0.48 TYP	23	0.47 TYP	30	1.4
SSC-12845-1R0 HF	1.0	0.90 TYP	16	0.89 TYP	17	2.9
SSC-12845-1R5 HF	1.5	1.3	16	1.25	18	3.7
SSC-12845-2R6 HF	2.6	2.4	8	2.0	16	5.5
SSC-12845-3R7 HF	3.7	3.3	11	3	14	7.3

NOTE(1): Measuring condition: 100 KHZ, 0.1Vrms.

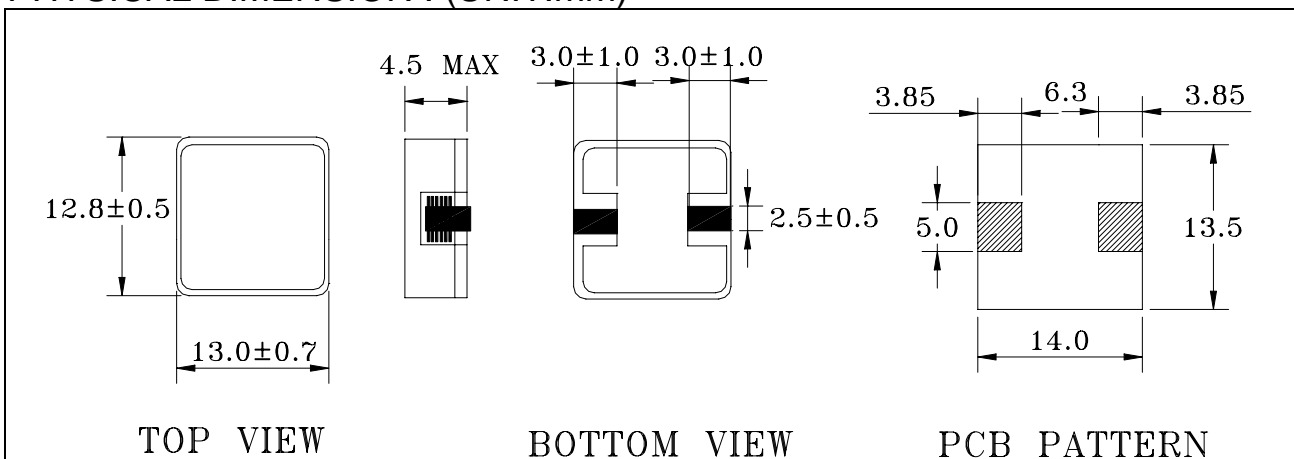
NOTE(2): $\Delta T=40^{\circ}C$ approximately under the temperature rise current.

NOTE(3): The saturation current indicates the value of DC current is approximately 25% lower than its initial value of inductance.

NOTE(4): Acoustic noise: 55 dB max. @ freq. Span 0~20KHz, less than 35 dB under ambient.

NOTE(5): Operating temperature range: $-40^{\circ}C \sim +150^{\circ}C$

PHYSICAL DIMENSION : (UNIT:mm)



PACKAGING SPEC:

1. REEL SIZE & UNITS PER REEL :13",400PCS.
2. TAPE WIDTH:24mm.
3. REEL WIDTH:29.5mm
4. COMPONENT PITCH:16mm