

SMD

HIGH CURRENT INDUCTORS

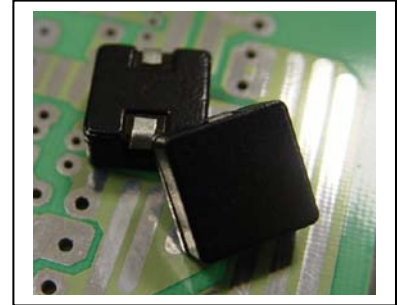
MODEL NO. : SSC-12860 HF SERIES

FEATURES:

- * LOW CORE LOSS, HIGH EFFICIENCY PERFORMANCE, HIGH MAGNETIC CHARACTERISTICS.
- * CLOSED MAGNETIC FIELD CONSTRUCTION FOR HIGH DENSITY BOARD ASSEMBLY.
- * RIBBON WIRE STRUCTURE.
- * CUSTOM DESIGNS AVAILABLE.
- * COMPLIANT WITH RoHS AND HALOGEN FREE.

APPLICATION :

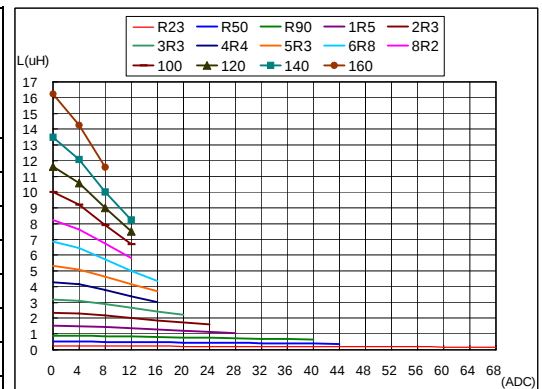
- * DC/DC CONVERTER IN POWER REGULATION SYSTEM.
- * CPU INDUCTOR IN NOTEBOOK COMPUTERS.
- * VGA CARD.



ELECTRICAL SPECIFICATION:

PART NO	INDUCTANCE (uH)±20% @0ADC	INDUCTANCE (uH)TYP @TEMPERATURE RISE CURRENT	TEMPERATURE RISE CURRENT (ADC)	SATURATION CURRENT (ADC) (NOTE 3)	DCR ±10% (mOHMS)
SSC-12860-R23 HF	0.23±30%	0.20	32.0	66.0	0.44
SSC-12860-R50 HF	0.50	0.44	28.0	44.0	0.80
SSC-12860-R90 HF	0.90	0.80	20.0	40.0	1.40
SSC-12860-1R5 HF	1.5	1.2	19.0	28.0	2.00
SSC-12860-2R3 HF	2.3	1.8	18.0	22.0	2.75
SSC-12860-3R3 HF	3.3	2.6	15.0	18.0	4.20
SSC-12860-4R4 HF	4.4	3.3	14.0	16.0	5.30
SSC-12860-5R3 HF	5.3	4.4	11.5	15.0	6.75
SSC-12860-6R8 HF	6.8	5.2	11.0	13.0	8.30
SSC-12860-8R2 HF	8.2	6.5	9.0	12.0	10.1
SSC-12860-100 HF	10.0	7.8	8.5	10.5	12.5
SSC-12860-120 HF	12.0	9.3	7.5	10.0	15.0
SSC-12860-140 HF	14.0	11.0	7.0	9.0	18.0
SSC-12860-160 HF	16.0	13.0	6.0	8.0	24.0

INDUCTANCE VS DC BIAS:



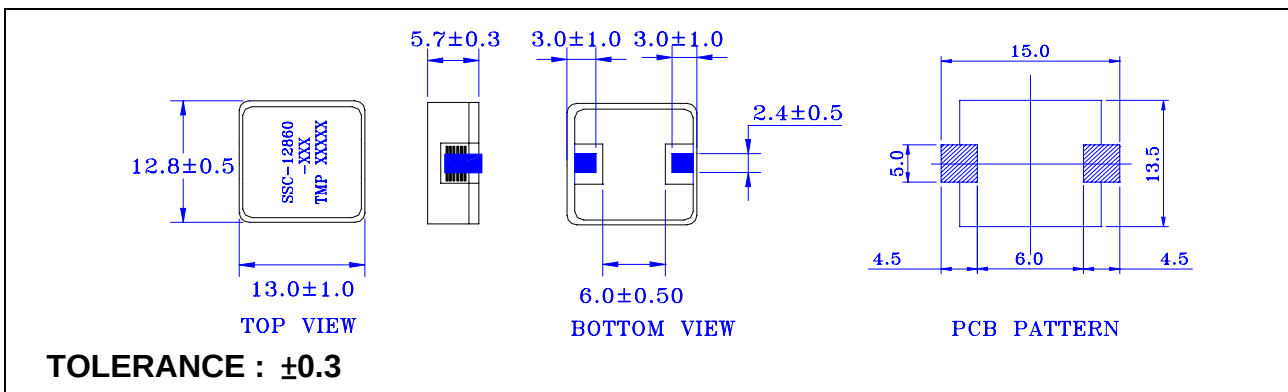
NOTE(1) : Test frequency: 100 KHZ,1Vrms.

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)



PACKAGING SPEC:

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