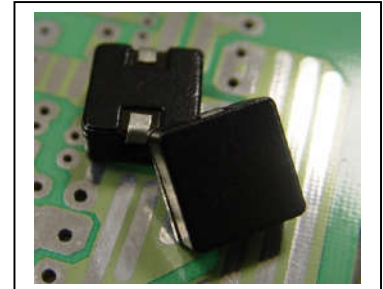


SMD HIGH CURRENT INDUCTORS

MODEL NO. : SSC-12866 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.



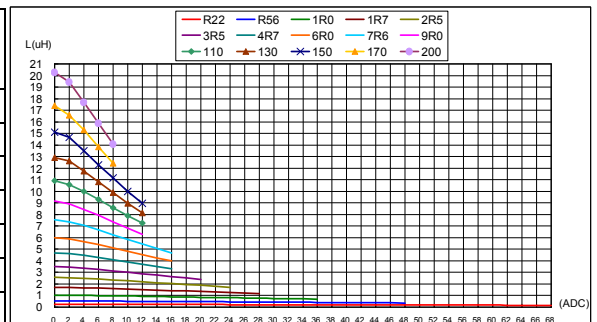
APPLICATION :

- * 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-12866-R22 HF	0.22±30%	0.20	32.0	66.0	0.44
SSC-12866-R56 HF	0.56	0.46	29.0	45.0	0.66
SSC-12866-1R0 HF	1.0	0.82	27.0	33.0	1.15
SSC-12866-1R7 HF	1.7	1.30	23.0	27.0	1.80
SSC-12866-2R5 HF	2.5	2.0	18.5	22.0	2.75
SSC-12866-3R5 HF	3.5	2.6	17.0	19.0	3.60
SSC-12866-4R7 HF	4.7	3.5	14.5	16.0	4.80
SSC-12866-6R0 HF	6.0	4.6	12.0	14.5	6.75
SSC-12866-7R6 HF	7.6	5.8	11.0	12.5	8.30
SSC-12866-9R0 HF	9.0	7.0	9.5	11.5	10.1
SSC-12866-110 HF	11.0	8.5	8.5	10.5	12.5
SSC-12866-130 HF	13.0	10.0	8.0	9.5	15.0
SSC-12866-150 HF	15.0	11.5	7.5	8.5	18.0
SSC-12866-170 HF	17.0	13.5	6.5	8.0	24.0
SSC-12866-200 HF	20.0	16.0	6.0	7.5	26.0

INDUCTANCE VS DC BIAS:



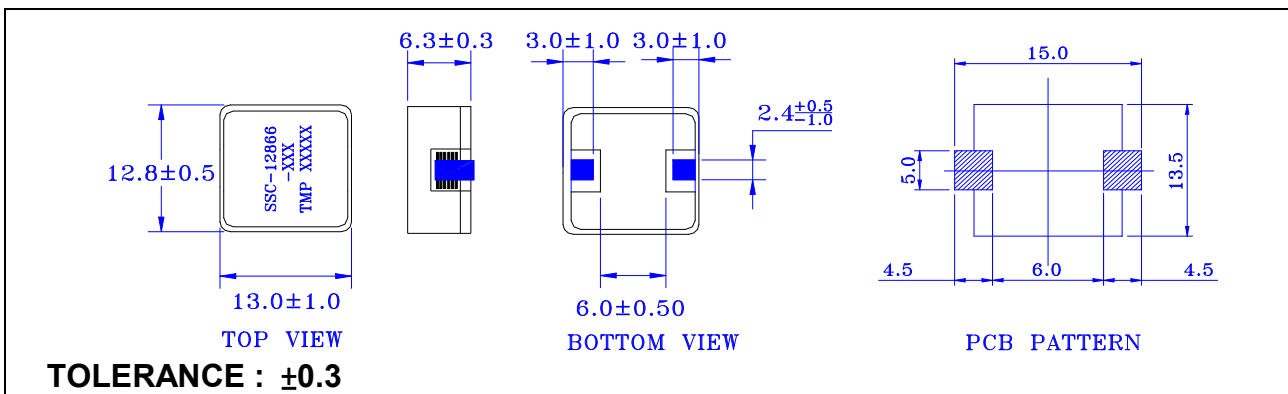
NOTE(1) : Test frequency: 100 KHZ,0.1Vrms.

NOTE(2) : Δ T=40°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°C ~ +150°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