

SMD HIGH CURRENT INDUCTORS



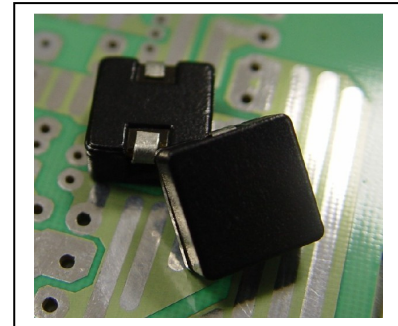
MODEL NO. : SSC-12880 HF SERIES

FEATURES:

- * SUPERIOR QUALITY FOR AN AUTOMATED PRODUCTION LINE.
- * PICK AND PLACE COMPATIBLE.
- * TAPE AND REEL PACKING.
- * COMPLIANT WITH RoHS AND HALOGEN FREE.

APPLICATION :

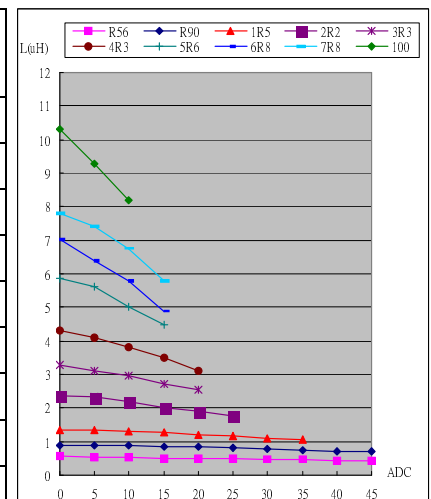
- * NOTEBOOK COMPUTERS.
- * SERVERS.



ELECTRICAL SPECIFICATION:

INDUCTANCE VS DC BIAS:

PART NO	INDUCTANCE (uH) $\pm 20\%$ @0ADC	DCR $\pm 10\%$ (m Ω)	INDUCTANCE (uH) TYP	TEMPERATURE RISE CURRENT (ADC)	SATURATION CURRENT (ADC) (NOTE 3)
SSC-12880-R56 HF	0.56	0.57	0.47	29.0	48.0
SSC-12880-R90 HF	0.90	0.86	0.80	27.0	46.0
SSC-12880-1R5 HF	1.5	1.17	1.20	25.0	39.0
SSC-12880-2R2 HF	2.2	1.63	1.80	21.0	27.0
SSC-12880-3R3 HF	3.3	2.1	2.5	20.0	21.0
SSC-12880-4R3 HF	4.3	2.6	3.3	18.0	19.5
SSC-12880-5R6 HF	5.6	4.2	4.3	16.0	18.0
SSC-12880-6R8 HF	6.8	4.9	5.2	14.5	15.0
SSC-12880-7R8 HF	7.8	5.8	6.1	13.0	14.5
SSC-12880-100 HF	10	7.4	7.7	12.0	13.0



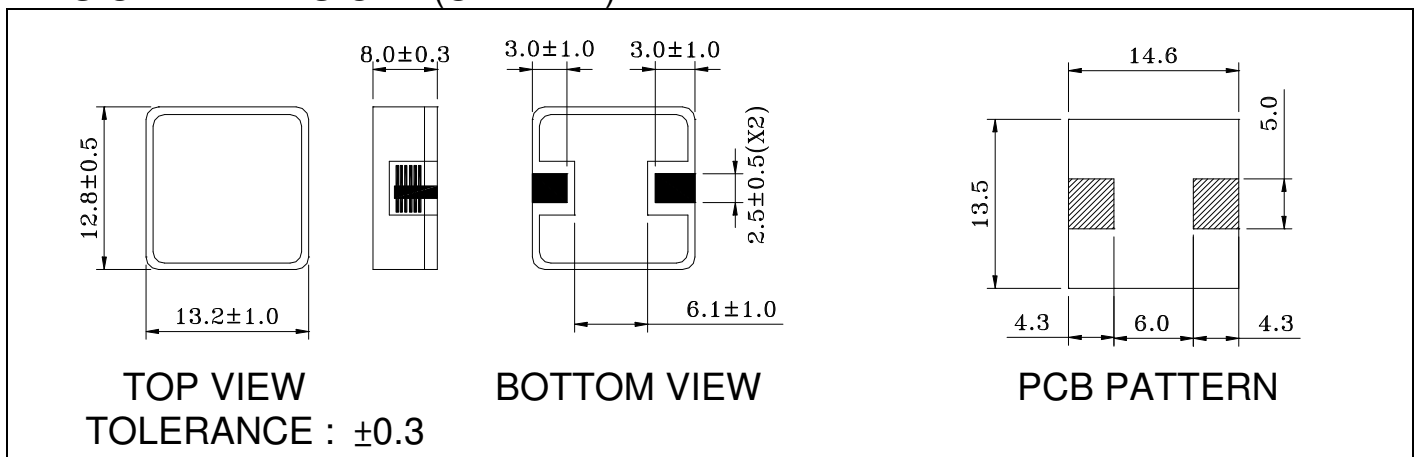
NOTE(1): Test frequency: 100 KHZ, 1Vrms.

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", 300PCS.
2. TAPE WIDTH: 24mm.
3. REEL WIDTH: 29.5mm
4. COMPONENT PITCH: 24mm