

SMD HIGH CURRENT INDUCTORS



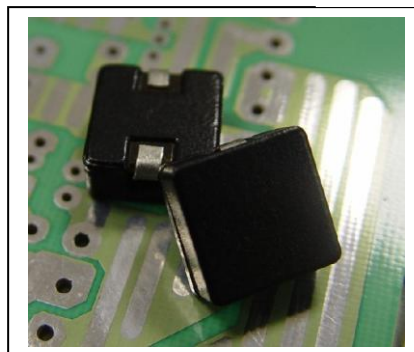
MODEL NO. : SSC-12874 HF SERIES

FEATURES:

- * SUPERIOR QUALITY FOR AN AUTOMATED PRODUCTION LINE.
- * AEC-Q200 COMPLIANCE
- * PICK AND PLACE COMPATIBLE.
- * TAPE AND REEL PACKING.
- * COMPLIANT WITH RoHS AND HALOGEN FREE.

APPLICATION :

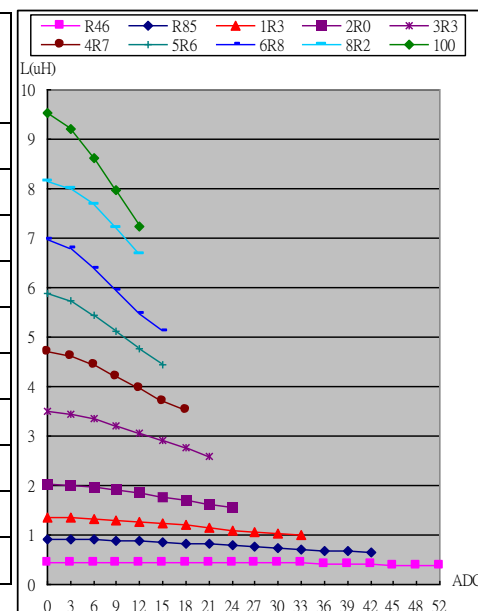
- * NOTEBOOK COMPUTERS.
- * ROUTERS.
- * SERVERS.



ELECTRICAL SPECIFICATION:

PART NO	INDUCTANCE (uH) $\pm 20\%$ @0ADC	DCR $\pm 10\%$ (m Ω)	INDUCTANCE (uH) TYP @ TEMPERATURE RISE CURRENT	TEMPERATURE RISE CURRENT (ADC)	SATURATION CURRENT (ADC) (NOTE 3)
SSC-12874-R46 HF	0.46 $\pm 30\%$	0.42	0.44	30	53.0
SSC-12874-R85 HF	0.85	0.90	0.72	29	41.0
SSC-12874-1R3 HF	1.3	1.35	1.1	24	33.0
SSC-12874-2R0 HF	2.0	1.95	1.6	21	26.0
SSC-12874-3R3 HF	3.3	3.5	2.7	17	21.0
SSC-12874-4R7 HF	4.7	4.4	3.7	15	18.0
SSC-12874-5R6 HF	5.6	6.0	4.7	12.5	16.0
SSC-12874-6R8 HF	6.8	7.0	5.4	11.5	14.5
SSC-12874-8R2 HF	8.2	8.6	6.6	10.5	13.5
SSC-12874-100 HF	10	9.3	7.8	10.0	13.0

INDUCTANCE VS DC BIAS:



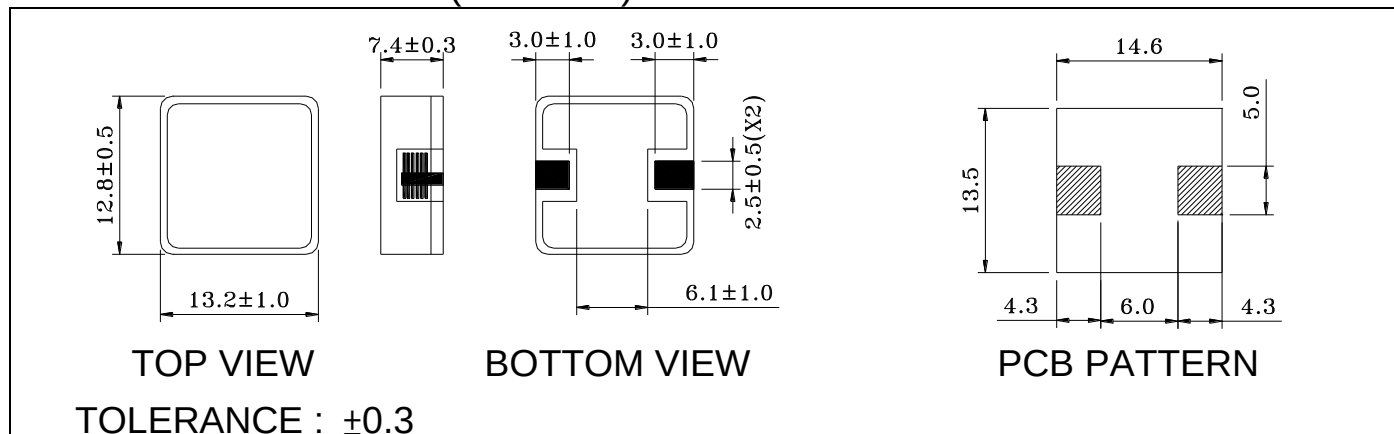
NOTE(1): Test frequency: 100 KHZ, 1Vrms.

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