

HIGH CURRENT INDUCTORS



MODEL NO : SSC-210145 HF SERIES

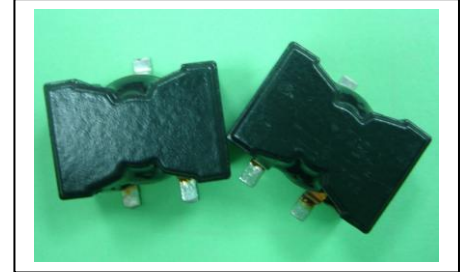
FEATURES:

- * LOW CORE LOSS AND HIGH EFFICIENCY PERFORMANCE.
- * AEC-Q200 COMPLIANCE.
- * COMPLIANT WITH RoHS AND HALOGEN FREE.
- * RECOMMENDED SOLDER PROFILE: REFLOW.

APPLICATION:

* DC/DC CONVERTER IN POWER REGULATION SYSTEM.

ELECTRICAL SPECIFICATION:



MODEL NO	INDUCTANCE $\pm 15\%$ (μH)	DCR $\pm 10\%$ ($\text{m}\Omega$)	TEMPERATURE RISE CURRENT (ADC)	SATURATION CURRENT (ADC) (NOTE 3)
SSC-210145-R70 HF	0.7	0.83	55.0	75
SSC-210145-1R4 HF	1.4	1.08	48.0	60
SSC-210145-2R2 HF	2.2	1.50	39.0	50
SSC-210145-3R1 HF	3.1	2.09	36.0	43
SSC-210145-4R2 HF	4.2	3.04	25.0	38
SSC-210145-5R5 HF	5.5	4.00	23.0	33
SSC-210145-7R0 HF	7.0	5.61	21.0	30
SSC-210145-8R6 HF	8.6	7.19	17.0	25
SSC-210145-100 HF	10	7.96	16.0	23
SSC-210145-150 HF	15	8.70	15.0	21
SSC-210145-220 HF	22	10.65	13.0	15
SSC-210145-330 HF	33	11.4	13.0	11
SSC-210145-470 HF	47	12.2	12.0	8.5

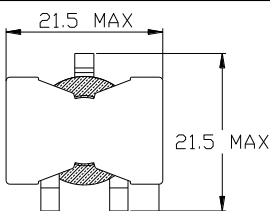
NOTE (1): Test frequency: 100 KHZ ,0.1Vrms.

NOTE (2): $\Delta T=50^\circ\text{C}$ approximately under the temperature rise current.

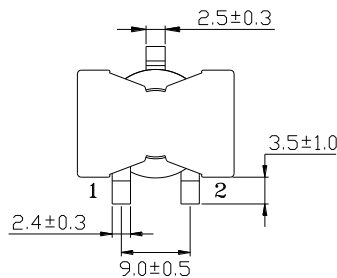
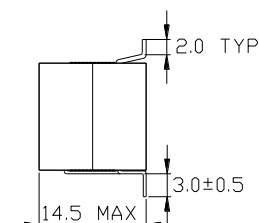
NOTE (3): The saturation current indicates the value of DC current is approximately 30% lower than its initial value of inductance.

NOTE(4): Operating temperature range: $-40^\circ\text{C} \sim +150^\circ\text{C}$.

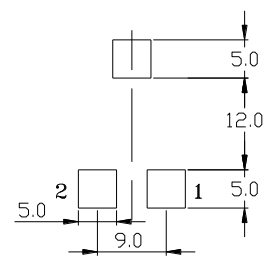
PHYSICAL DIMENSION : (UNIT:mm)



TOP VIEW



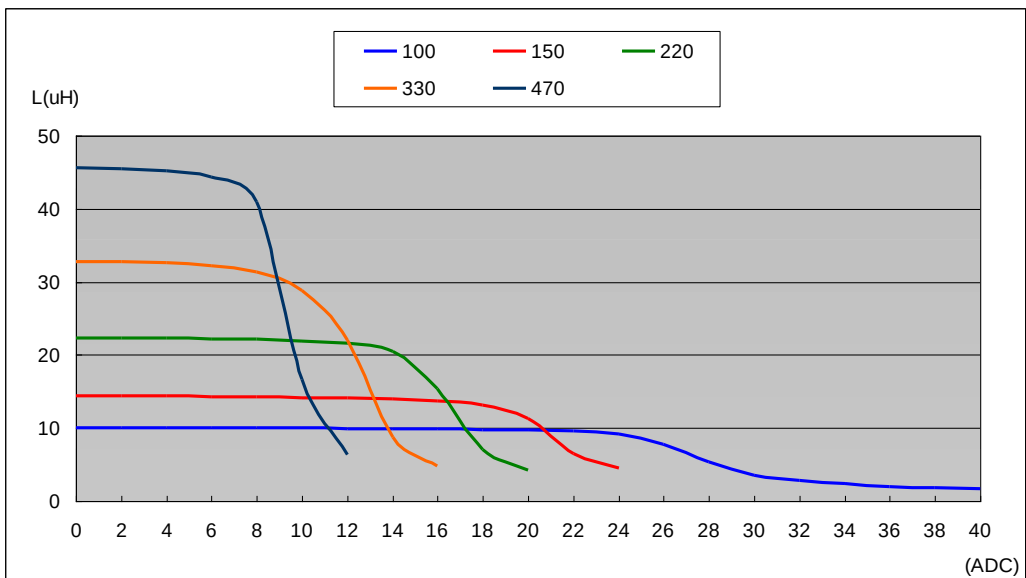
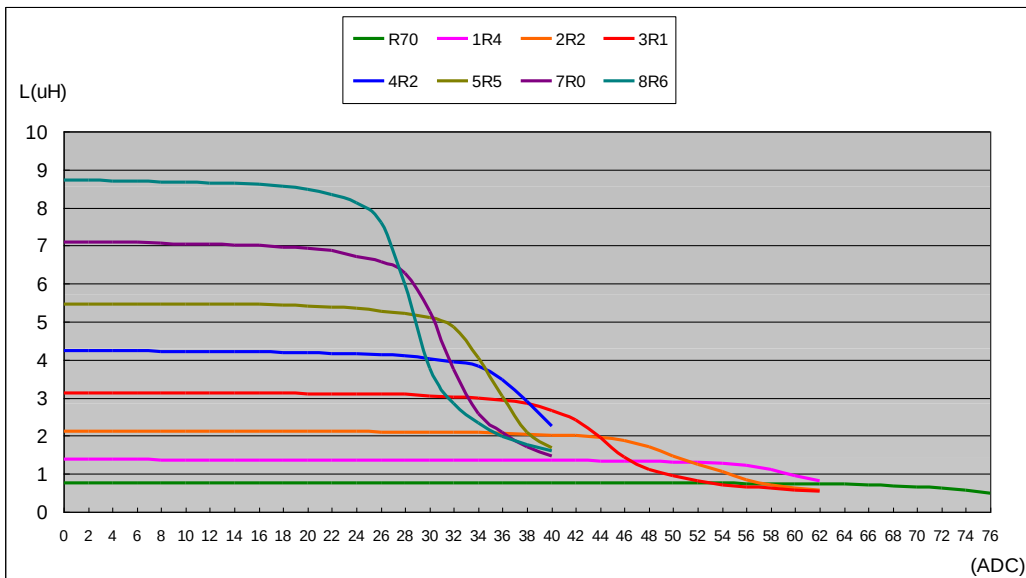
BOTTOM VIEW



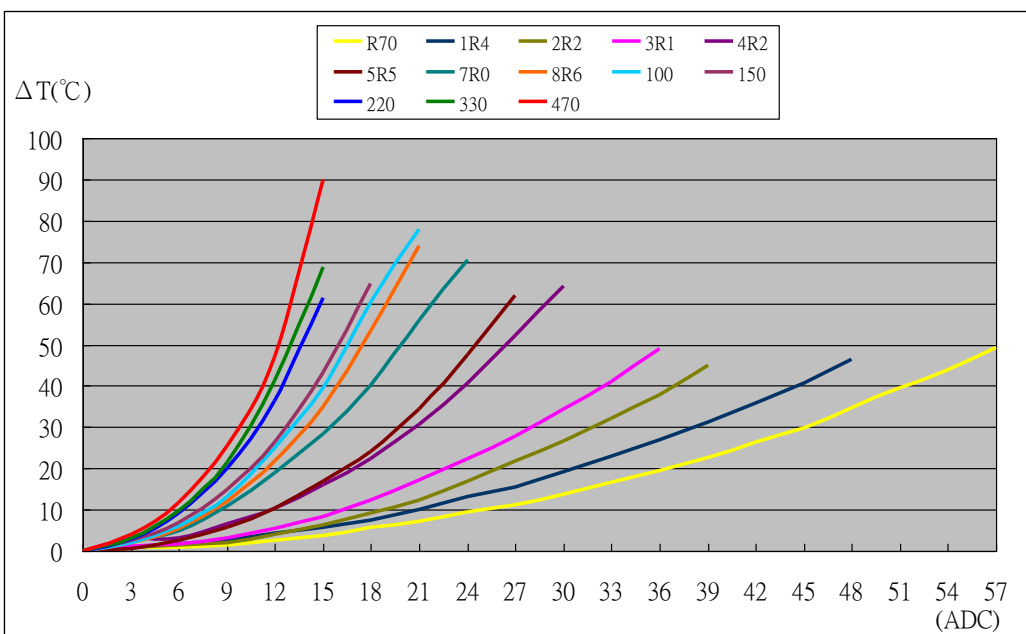
PCB PATTERN

TOLERANCE: ± 0.3

INDUCTANCE VS DC BIAS:



TEMPERATURE VS DC BIAS :



1. REEL SIZE & UNITS PER REEL :13",120PCS.
2. TAPE WIDTH:44mm.
3. REEL WIDTH: 50mm
4. COMPONENT PITCH:32mm