

SMD HIGH CURRENT INDUCTORS



MODEL NO. : SSC-18090 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 :

- * DC-DC CONVERTERS.
- * SERVERS.
- * ROUTERS.

ELECTRICAL SPECIFICATION:

PART NO	INDUCTANCE (uH) $\pm 20\%$	DCR (m Ω) $\pm 10\%$	INDUCTANCE (uH) TYP	TEMPERATURE RISE CURRENT (ADC)	SATURATION CURRENT (ADC) (NOTE 3)
SSC-18090-R82 HF	0.82	0.56	0.76	33.0	57
SSC-18090-1R3 HF	1.3	1.05	1.2	32.0	46
SSC-18090-1R9 HF	1.9	1.2	1.6	30.0	38
SSC-18090-2R6 HF	2.6	1.65	2.2	25.5	31
SSC-18090-3R5 HF	3.5	3.1	3.1	22.0	25
SSC-18090-4R5 HF	4.5	3.4	3.9	18.5	24
SSC-18090-5R6 HF	5.6	3.9	4.9	18.0	23
SSC-18090-6R8 HF	6.8	4.1	5.8	16.5	22
SSC-18090-8R2 HF	8.2	5.1	7.4	16.0	19
SSC-18090-100 HF	10.0	7.1	7.1	14.0	16
SSC-18090-120 HF	12.0	8.0	9.0	13.5	15
SSC-18090-150 HF	15.0	9.3	12.0	12.0	14
SSC-18090-220 HF	22.0	14.6	18.5	9.0	12
SSC-18090-330 HF	33.0	22.6	29.7	7.0	9.0
SSC-18090-470 HF	47.0	34.0	43.0	5.2	7.2
SSC-18090-820 HF	82.0	56.0	75.0	4.5	4.8

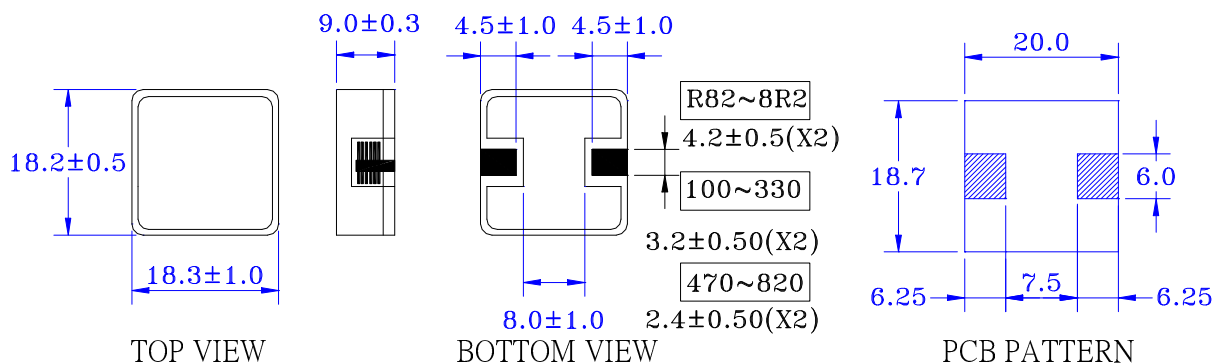
NOTE(1): Test frequency: 100 KHZ, 1Vrms.

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.

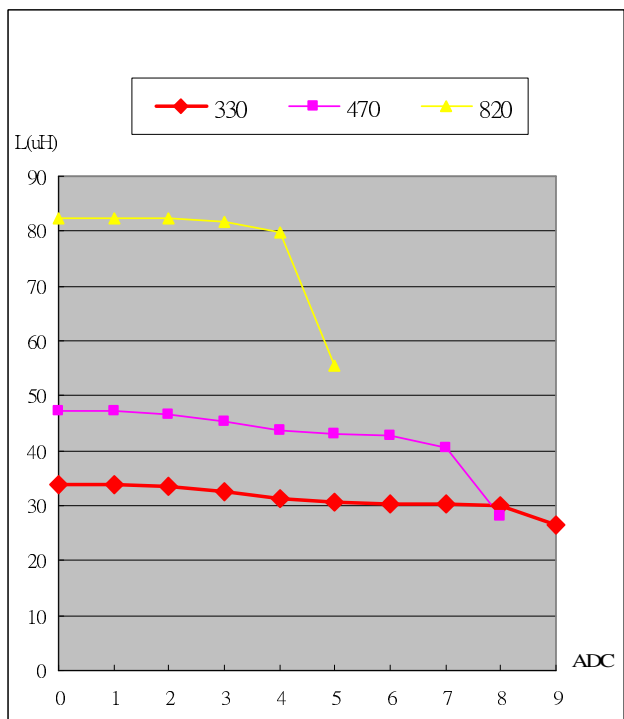
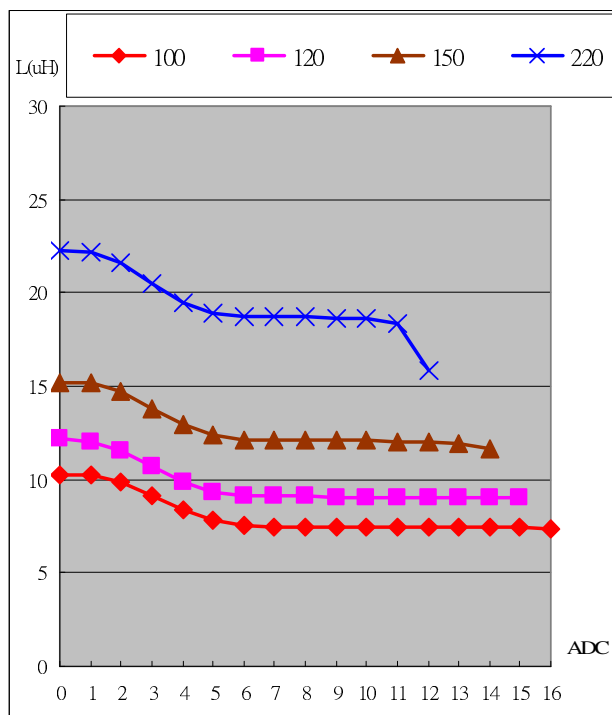
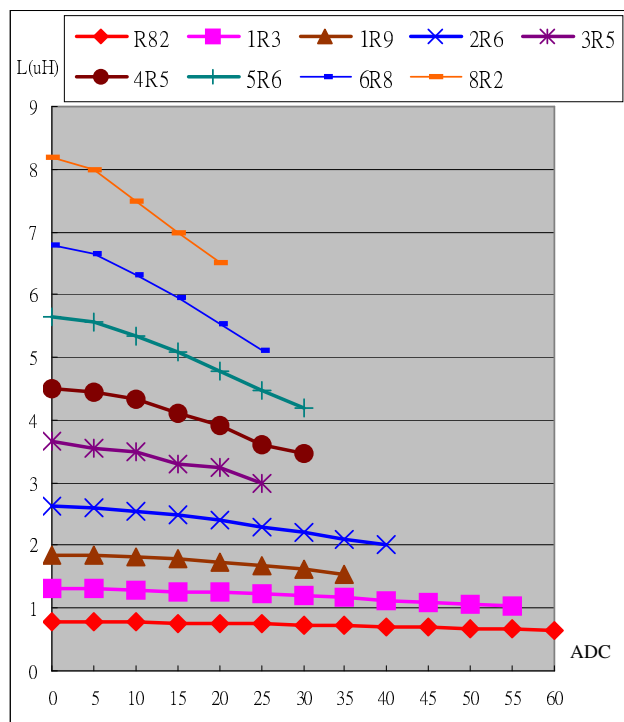
NOTE(4): Operating temperature range: $-40^\circ\text{C} \sim +150^\circ\text{C}$

PHYSICAL DIMENSION : (UNIT:mm)



TOLERANCE : ± 0.3

INDUCTANCE VS DC BIAS:



PACKAGING SPEC:

1. REEL SIZE & UNITS PER REEL :13",150PCS.
2. TAPE WIDTH:32mm.
3. REEL WIDTH:38.4mm
4. COMPONENT PITCH:32mm