

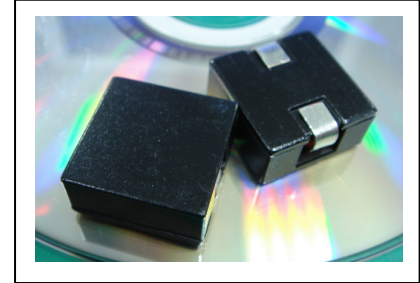
SMD HIGH CURRENT INDUCTORS



MODEL NO. : SSC-18082 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	TEMPERATURE RISE CURRENT (ADC) MAX	SATURATION CURRENT (ADC) (NOTE 3)
SSC-18082-1R4 HF	1.4	0.93	1.2	30.0	60
SSC-18082-2R2 HF	2.2	1.4	1.8	28.0	50
SSC-18082-3R3 HF	3.3	2.4	2.8	22.5	40
SSC-18082-4R7 HF	4.7	3.4	4.0	20.0	33
SSC-18082-5R6 HF	5.6	3.7	4.8	18.5	32
SSC-18082-6R8 HF	6.8	4.7	5.8	17.0	27
SSC-18082-100 HF	10	8.0	7.6	13.5	18
SSC-18082-180 HF	18	13.3	15.1	9.5	12
SSC-18082-220 HF	22	18.0	19.0	8.3	11
SSC-18082-270 HF	27	19.5	23.5	8.0	9.3
SSC-18082-470 HF	47	38.0	43.0	5.5	7.0

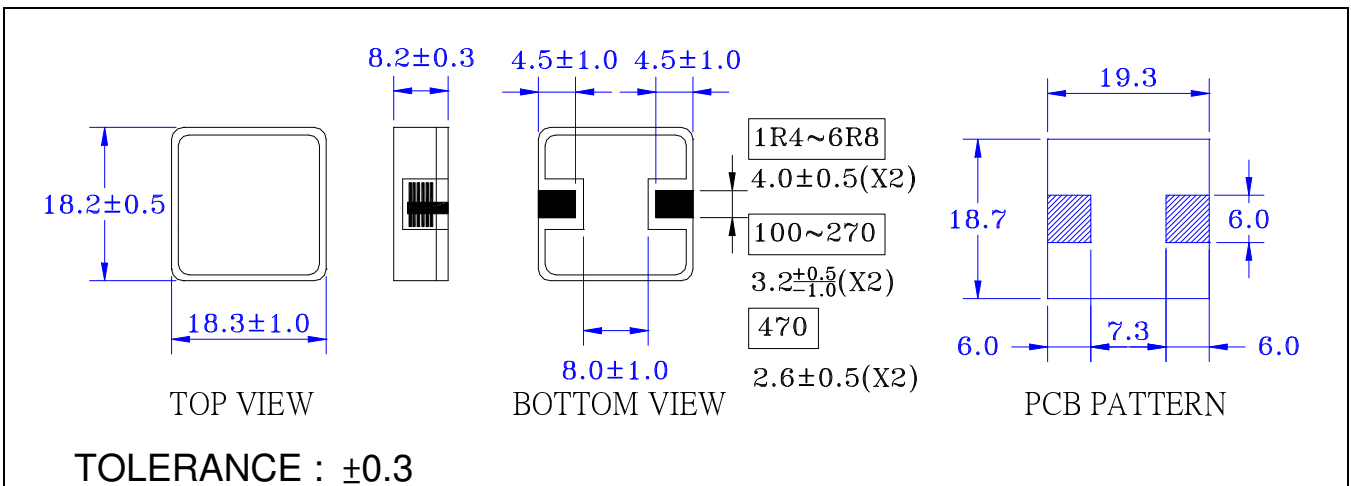
NOTE(1): Test frequency: 100 KHZ, 1Vrms.

NOTE(2): $\Delta T = 40^\circ\text{C}$ approximately under the temperature rise current.

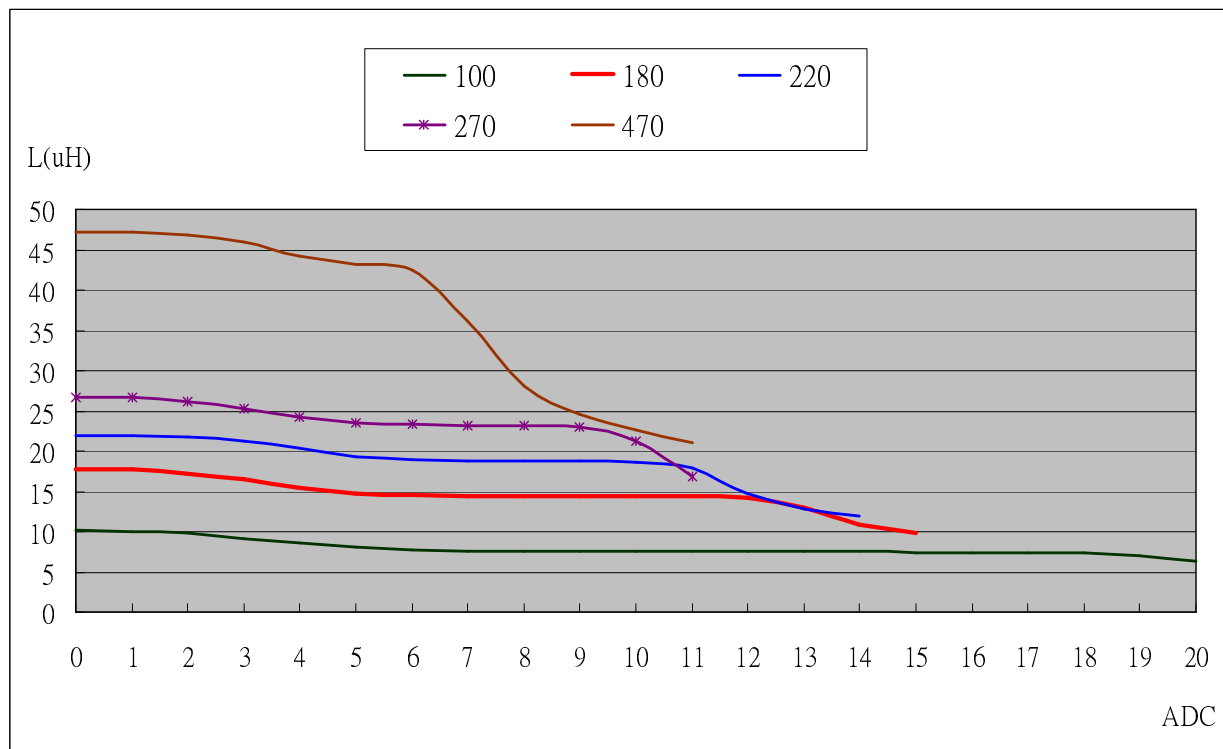
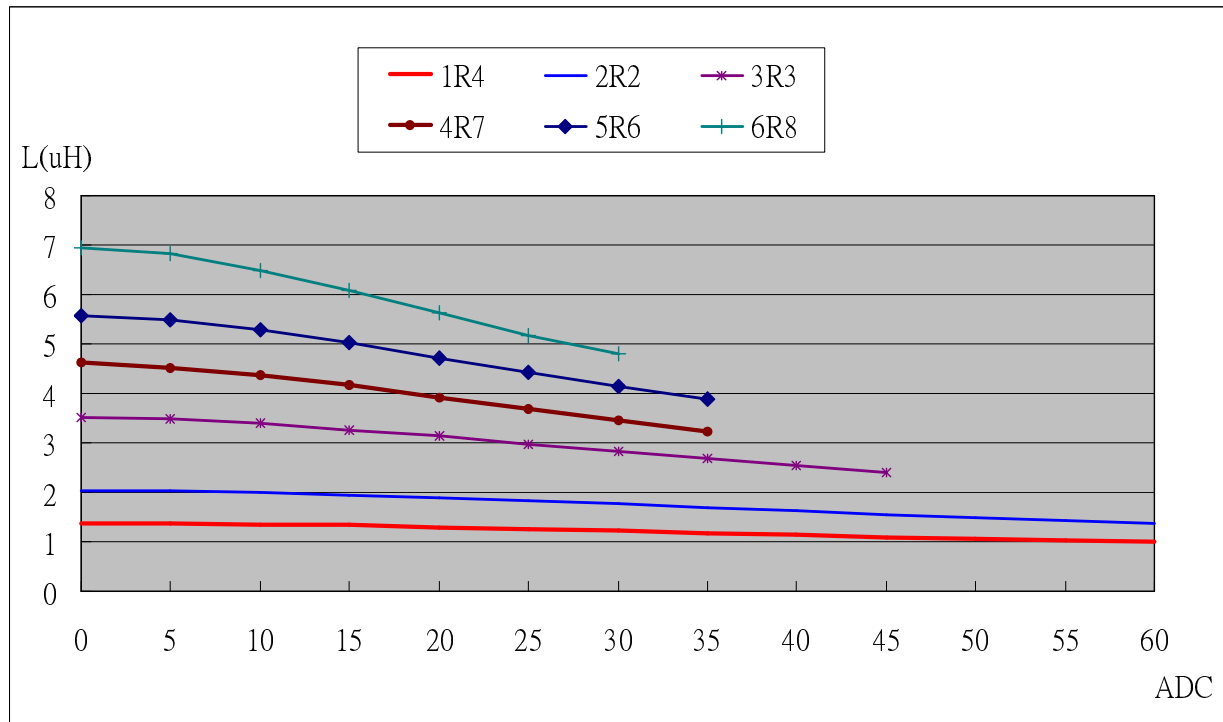
NOTE(3): The saturation current indicates the value of DC current is approximately 30% lower than its initial value of inductance.

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

PHYSICAL DIMENSION : (UNIT:mm)



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