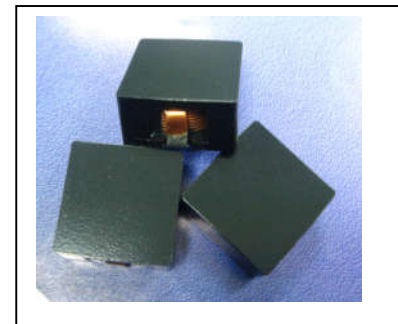


SMD HIGH CURRENT INDUCTORS

MODEL NO. : SSC-220120 HF SERIES

FEATURES:

- * HIGH POWER, LOWER LOSS & LOW DCR WITH LARGE CURRENT DESIGN.
- * CLOSED MAGNETIC CIRCUIT CONSTRUCTION FOR HIGH DENSITY BOARD ASSEMBLY .
- * COMPLIANT WITH RoHS AND HALOGEN FREE.



APPLICATION :

- * DC/DC CONVERTER IN POWER REGULATION SYSTEM.
- AUTOMOTIVE. ● DESKTOP PC. ● SERVERS. ● ROUTERS.

ELECTRICAL SPECIFICATION:

PART NO	INDUCTANCE (μ H) \pm 20% @0ADC	INDUCTANCE (μ H) TYP @ TEMPERATURE RISE CURRENT	TEMPERATURE RISE CURRENT (ADC)	INDUCTANCE (μ H) TYP @ SATURATION CURRENT	SATURATION CURRENT (ADC) (NOTE 3)	DCR \pm 10% (m Ω)	TOTAL HEIGHT (mm)
SSC-220120-1R0 HF	1.0	0.7	59	0.66	60	0.73	12.3 \pm 0.4
SSC-220120-2R2 HF	2.2	1.3	37	1.3	37.0	0.90	
SSC-220120-4R7 HF	4.7	3.2	30.0	3.1	35.0	1.7	
SSC-220120-6R8 HF	6.8	4.3	28.5	4.25	31.0	2.1	12.0 \pm 0.4
SSC-220120-8R2 HF	8.2	5.6	25.5	5.5	30.0	2.7	
SSC-220120-100 HF	10	7.8	22.0	7.2	27.0	3.4	
SSC-220120-120 HF	12	9.3	20.0	8.6	25.0	4.3	
SSC-220120-150 HF	15	11.3	20.0	11.2	22.0	4.7	
SSC-220120-220 HF	22	17.5	15.0	16.6	18.0	7.3	
SSC-220120-330 HF	33	29.0	11.0	25.0	14.5	13.0	
SSC-220120-470 HF	47	43.0	9.0	36.0	11.8	19.2	
SSC-220120-680 HF	68	63.0	7.2	53.0	9.4	27.3	
SSC-220120-820 HF	82	76.0	7.0	58.5	8.6	30.4	
SSC-220120-101 HF	100	76	7.0	70	7.1	30.4	

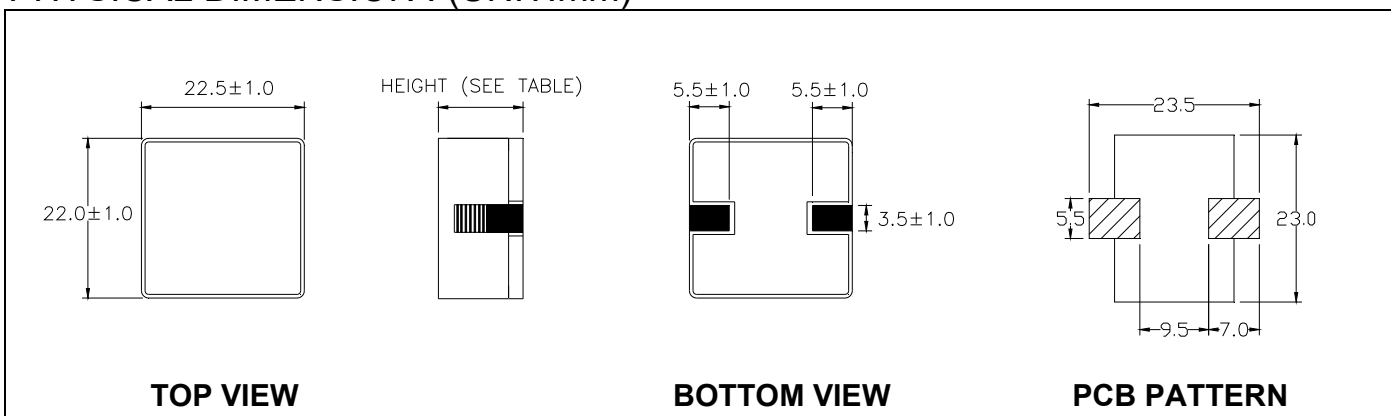
NOTE(1): Measuring condition: 100 KHZ, 0.1Vrms.

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

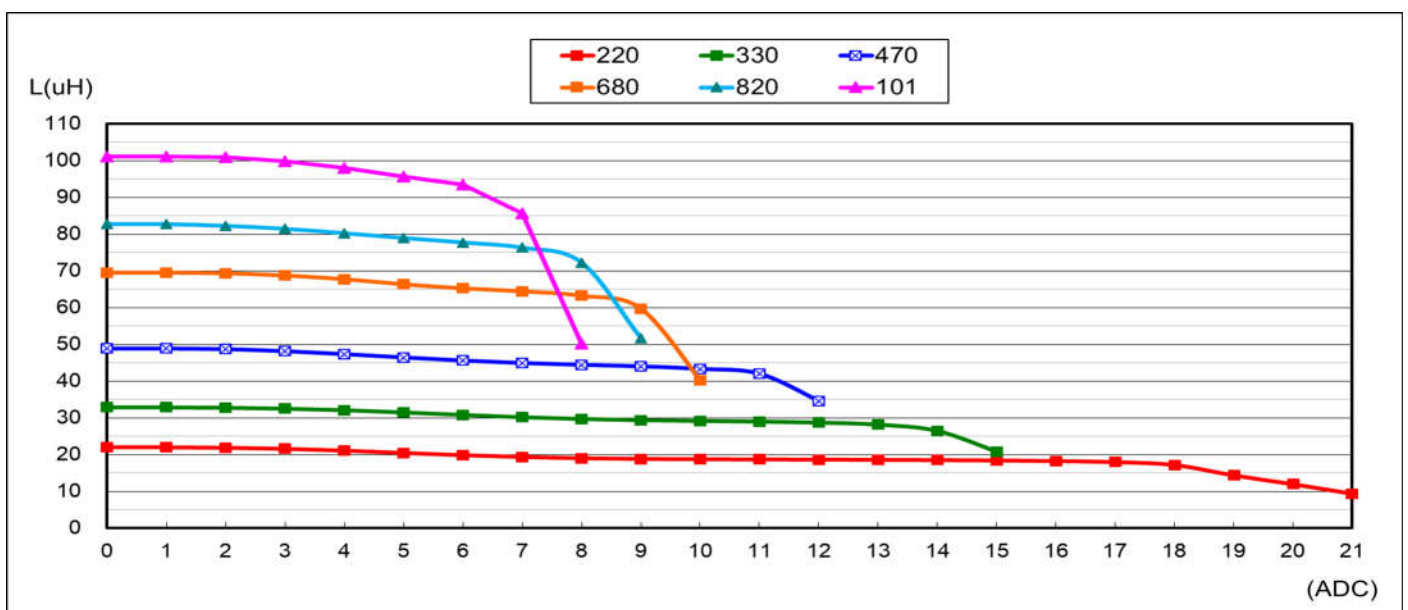
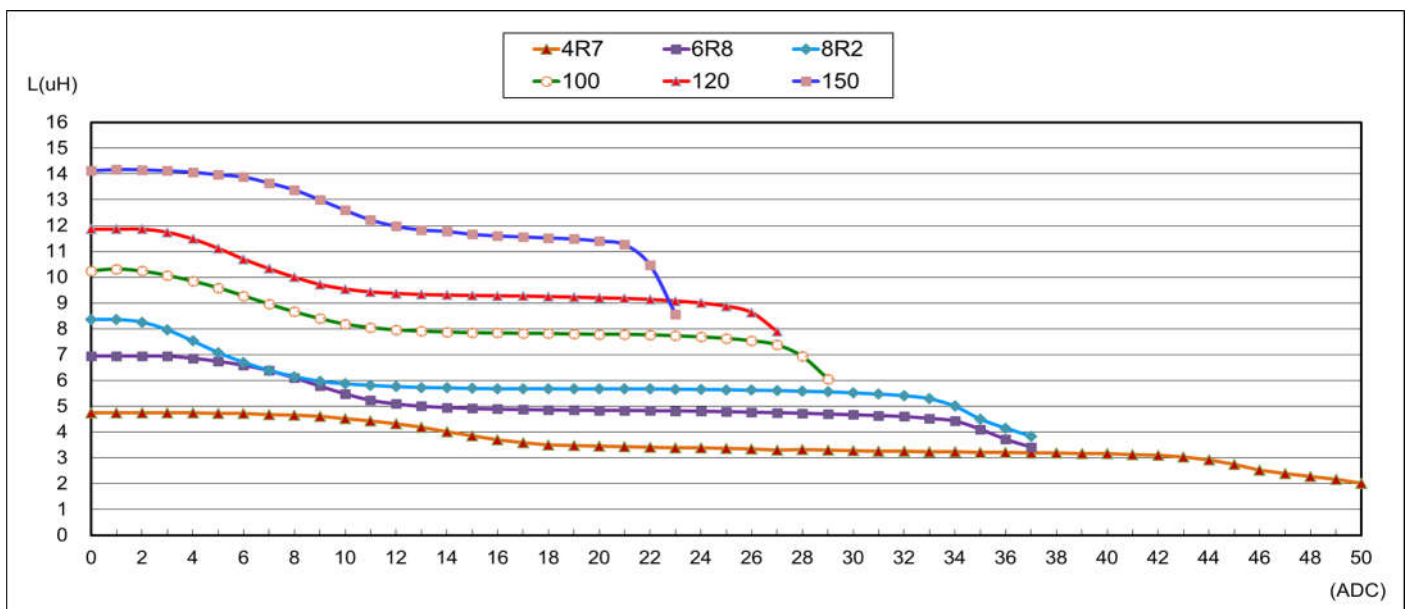
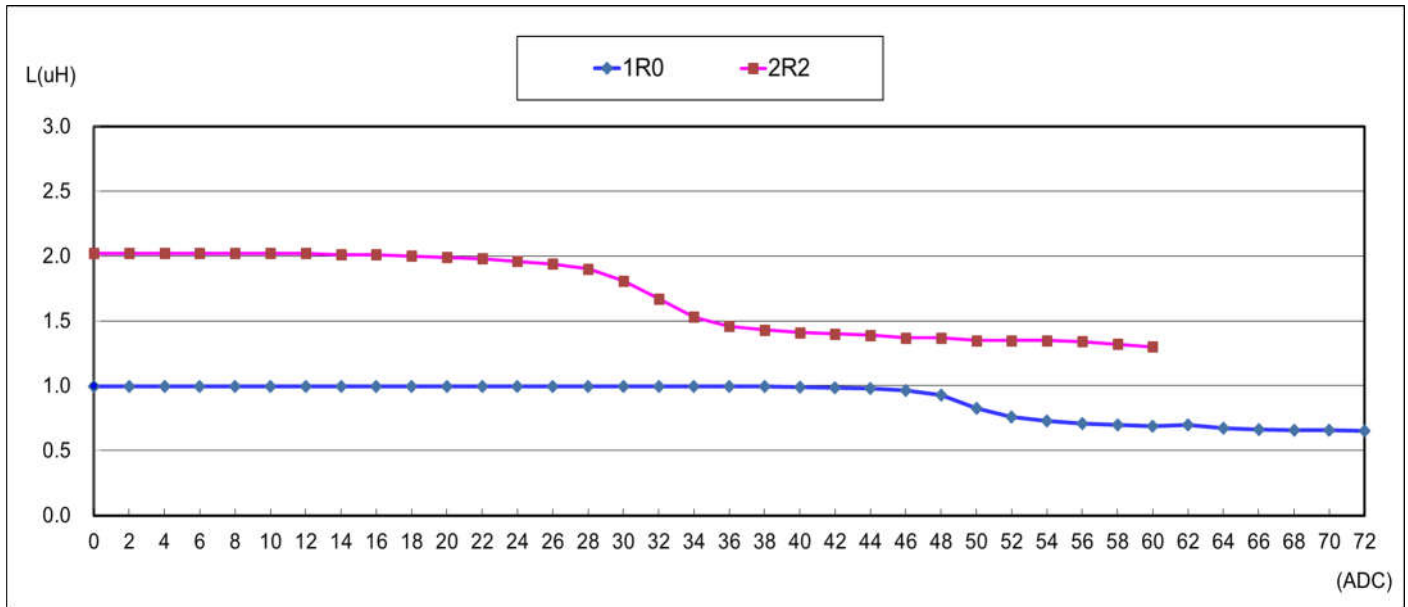
NOTE(3): The saturation current indicates the value of DC current is approximately 30% lower than its initial value of inductance.

NOTE(4): Operating temperature range: $-40^{\circ}C \sim +125^{\circ}C$.

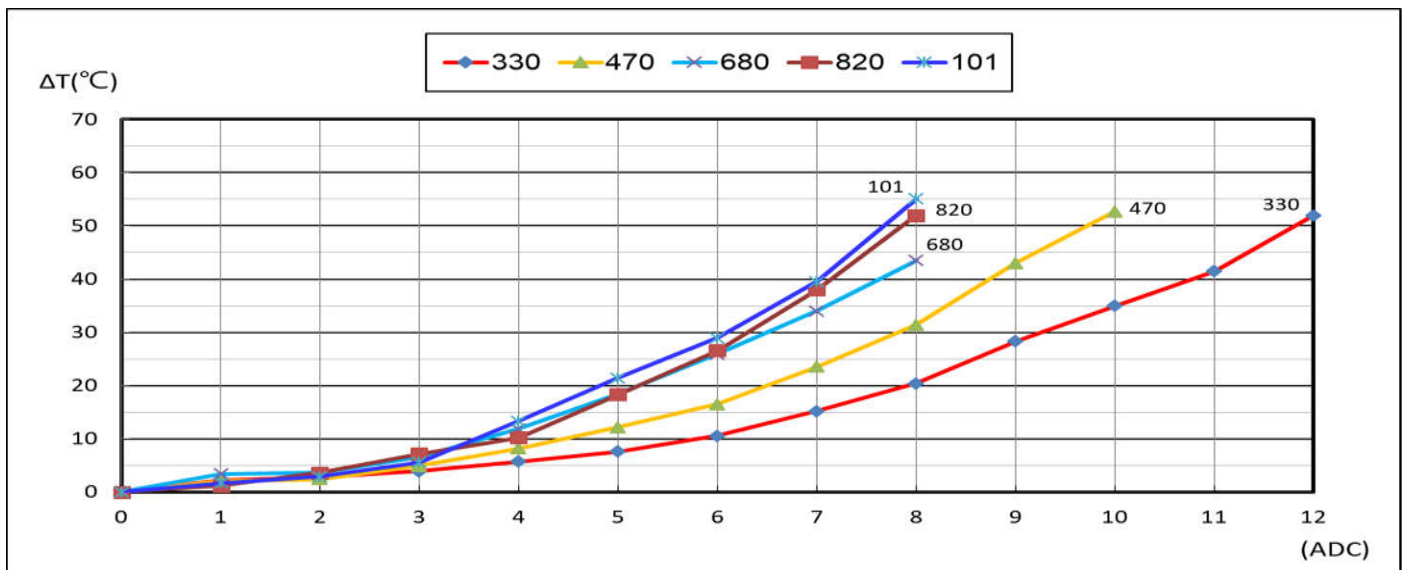
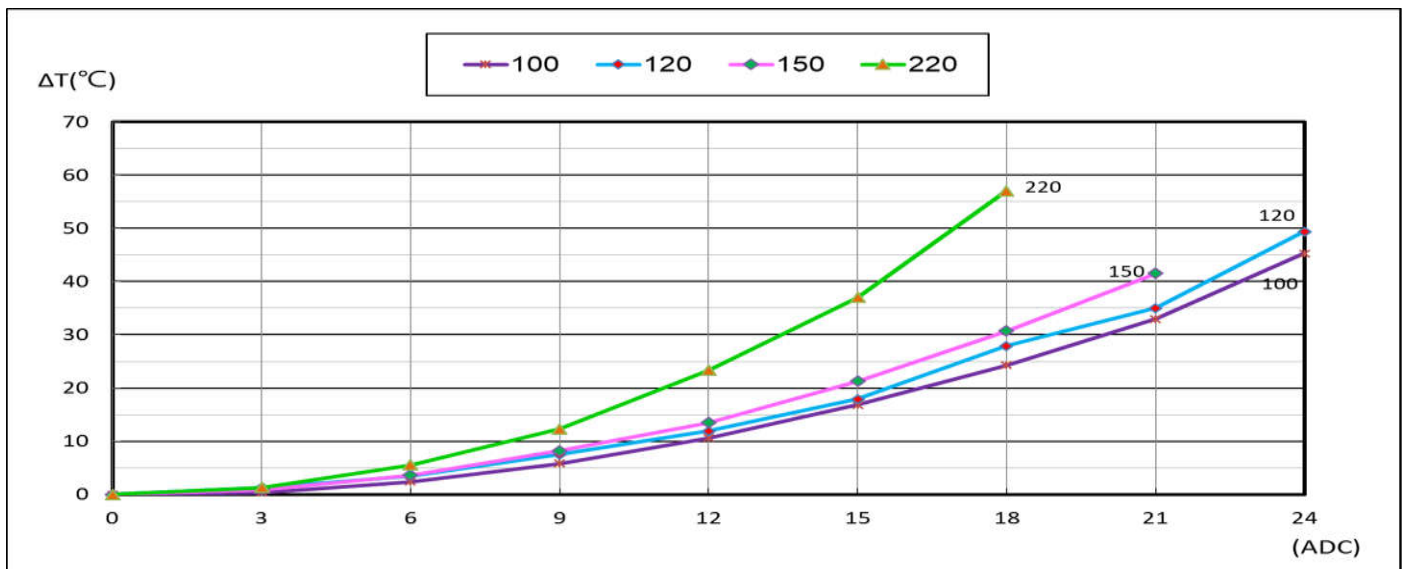
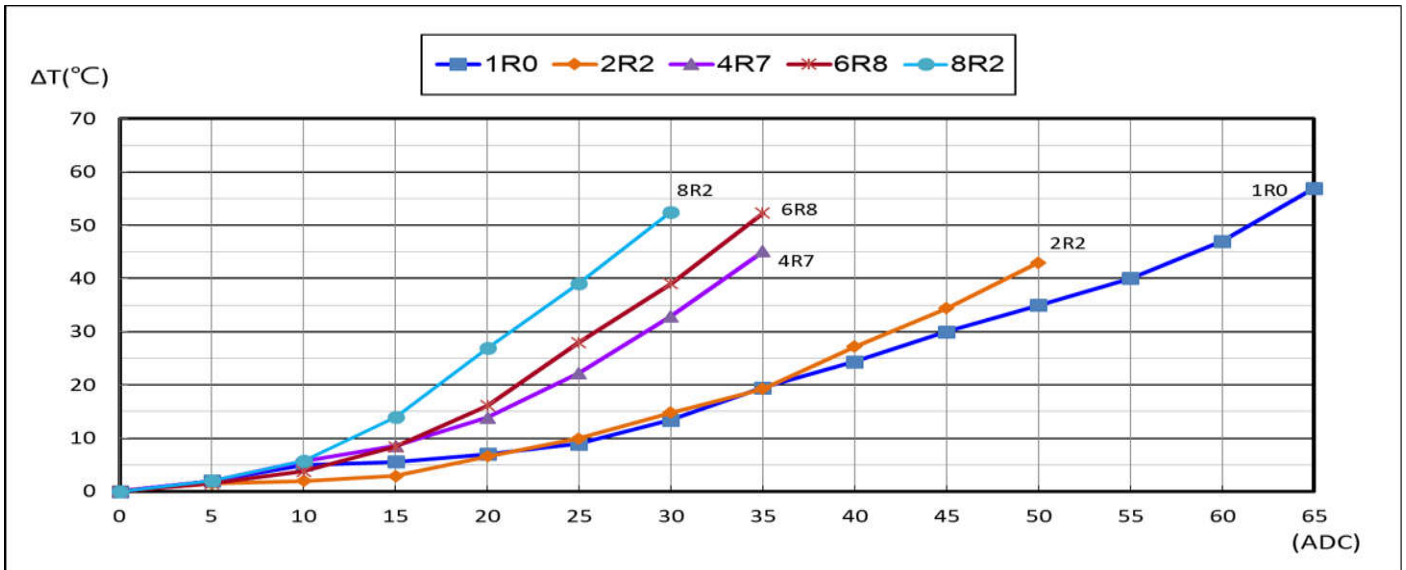
PHYSICAL DIMENSION : (UNIT:mm)



INDUCTANCE VS DC BIAS:



TEMPERATURE RISE VS DC BIAS:



PACKAGING SPEC:

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