

SMD

HIGH CURRENT INDUCTORS



MODEL NO : SSC-192107 HF, SSC-192120 HF &

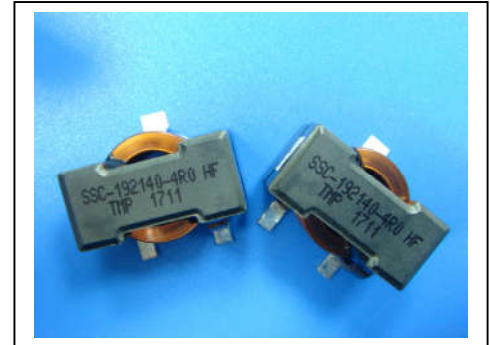
SSC-192130 HF & SSC-192140 HF SERIES

FEATURES:

- * LOW CORE LOSS AND HIGH EFFICIENCY PERFORMANCE.
- * CLOSED MAGNETIC FIELD CONSTRUCTION FOR HIGH DENSITY BOARD ASSEMBLY.
- * COMPLIANT WITH RoHS AND HALOGEN FREE.

APPLICATION:

- * DC/DC CONVERTER IN POWER REGULATION SYSTEM.



ELECTRICAL SPECIFICATION:

MODEL NO	INDUCTANCE ±20% (uH)	DCR ±10% (mΩ)	TEMPERATURE RISE CURRENT (ADC)	SATURATION CURRENT (ADC) (NOTE 3)	TOTAL HEIGHT MAX (mm)
SSC-192107-R50 HF	0.50	1.22	40	100	10.67
SSC-192107-R60 HF	0.60	1.22	40	90	10.67
SSC-192107-R68 HF	0.68	1.22	40	78	10.67
SSC-192107-R80 HF	0.80	1.22	40	70	10.67
SSC-192107-R90 HF	0.90	1.22	40	62	10.67
SSC-192107-1R0 HF	1.0	1.22	40	56	10.67
SSC-192107-1R2 HF	1.2	1.22	40	49	10.67
SSC-192107-2R0 HF	2.0	1.22	40	37	10.67
SSC-192120-R60 HF	0.60	1.45	35	97	11.94
SSC-192120-R68 HF	0.68	1.45	35	85	11.94
SSC-192120-R80 HF	0.80	1.45	35	75	11.94
SSC-192120-R90 HF	0.90	1.45	35	69	11.94
SSC-192120-1R0 HF	1.0	1.45	35	64	11.94
SSC-192120-1R2 HF	1.2	1.45	35	54	11.94
SSC-192120-2R0 HF	2.0	1.45	35	35	11.94
SSC-192130-R68 HF	0.68	1.70	30	98	12.95
SSC-192130-R80 HF	0.80	1.70	30	85	12.95
SSC-192130-R90 HF	0.90	1.70	30	73	12.95
SSC-192130-1R0 HF	1.0	1.70	30	68	12.95
SSC-192130-1R2 HF	1.2	1.70	30	58	12.95
SSC-192130-2R0 HF	2.0	1.70	30	40	12.95
SSC-192130-3R6 HF	3.6	1.70	30	25	12.95
SSC-192130-4R0 HF	4.0	1.70	30	20	12.95
SSC-192130-4R7 HF	4.7	1.70	30	18	12.95
SSC-192140-R80 HF	0.80	1.95	27	98	13.97
SSC-192140-R90 HF	0.90	1.95	27	87	13.97
SSC-192140-1R0 HF	1.0	1.95	27	70	13.97
SSC-192140-1R2 HF	1.2	1.95	27	63	13.97
SSC-192140-2R0 HF	2.0	1.95	27	45	13.97
SSC-192140-4R0 HF	4.0	1.95	27	25	13.97

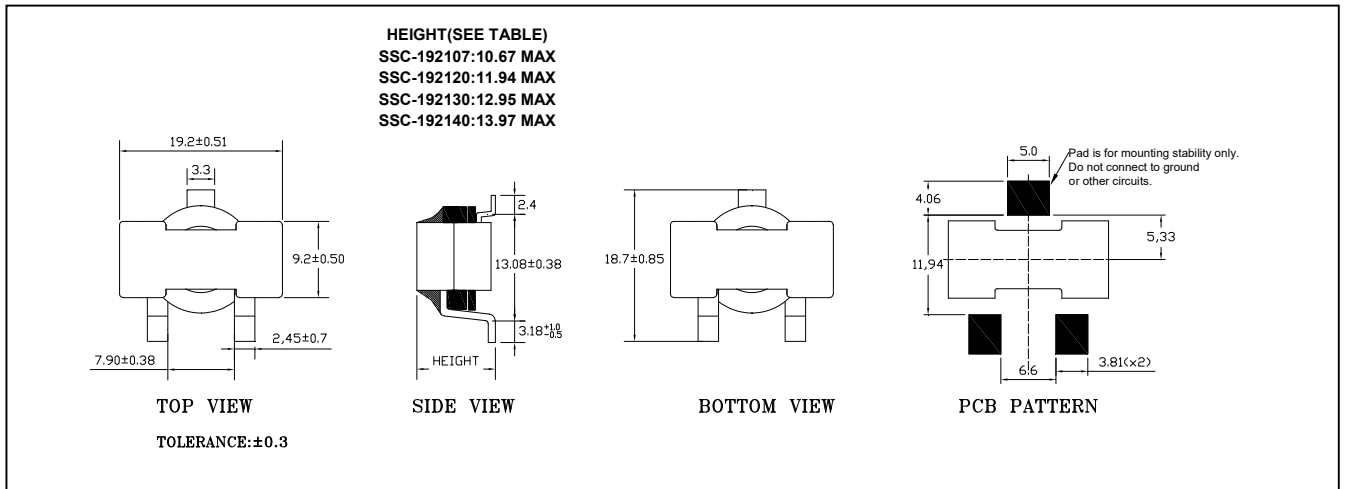
NOTE (1): Test frequency: 100 KHZ ,0.1Vrms.

NOTE (2): ΔT=40°C approximately under the temperature rise current.

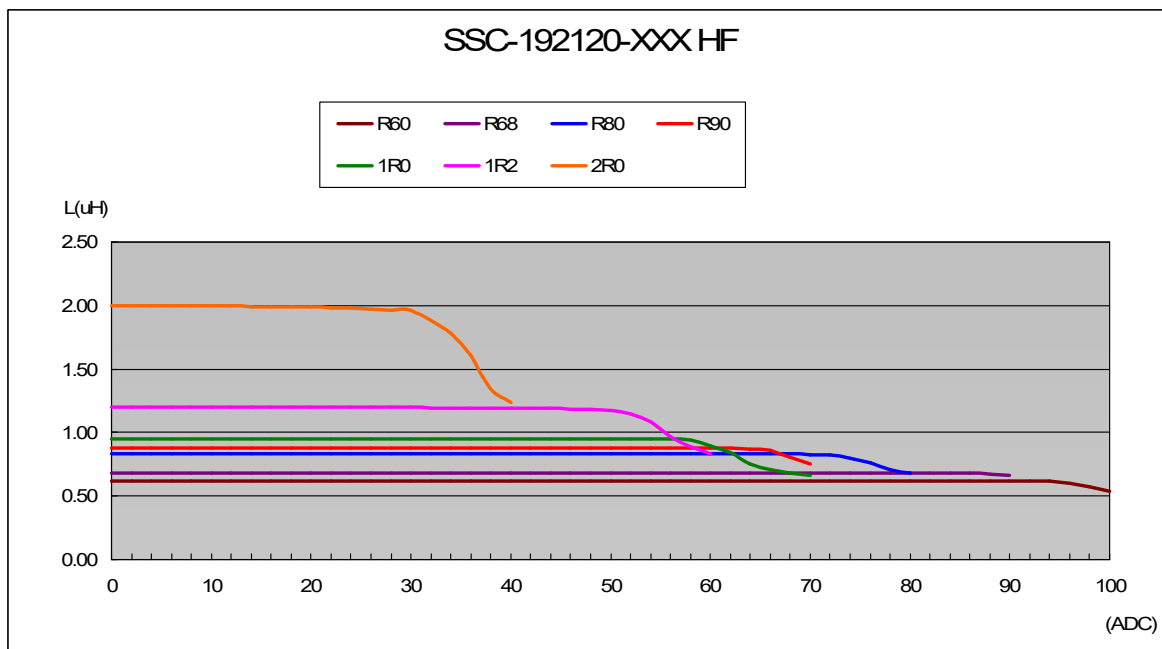
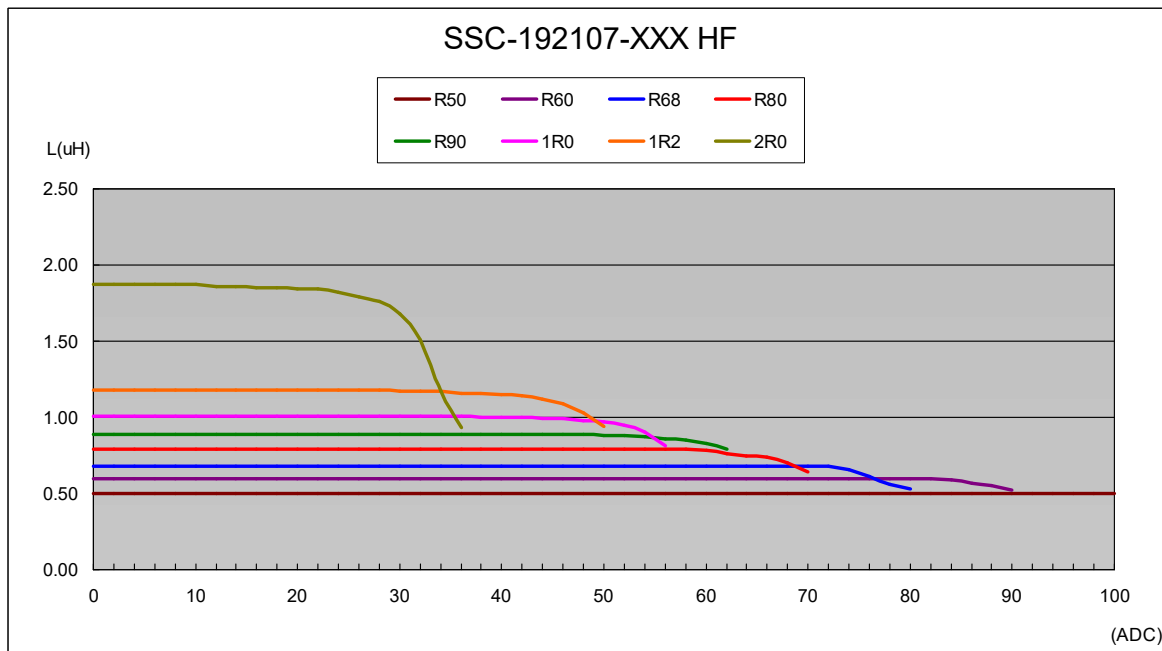
NOTE (3): The saturation current indicates the value of DC current is approximately 15% lower than its initial value of inductance.

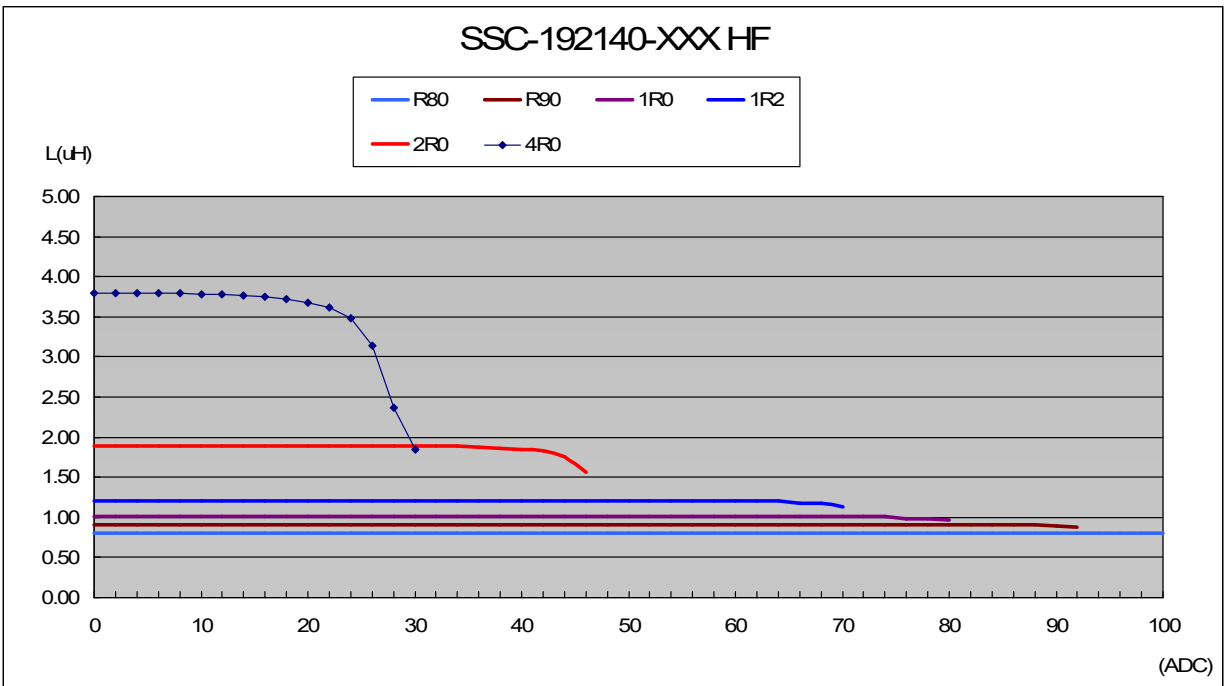
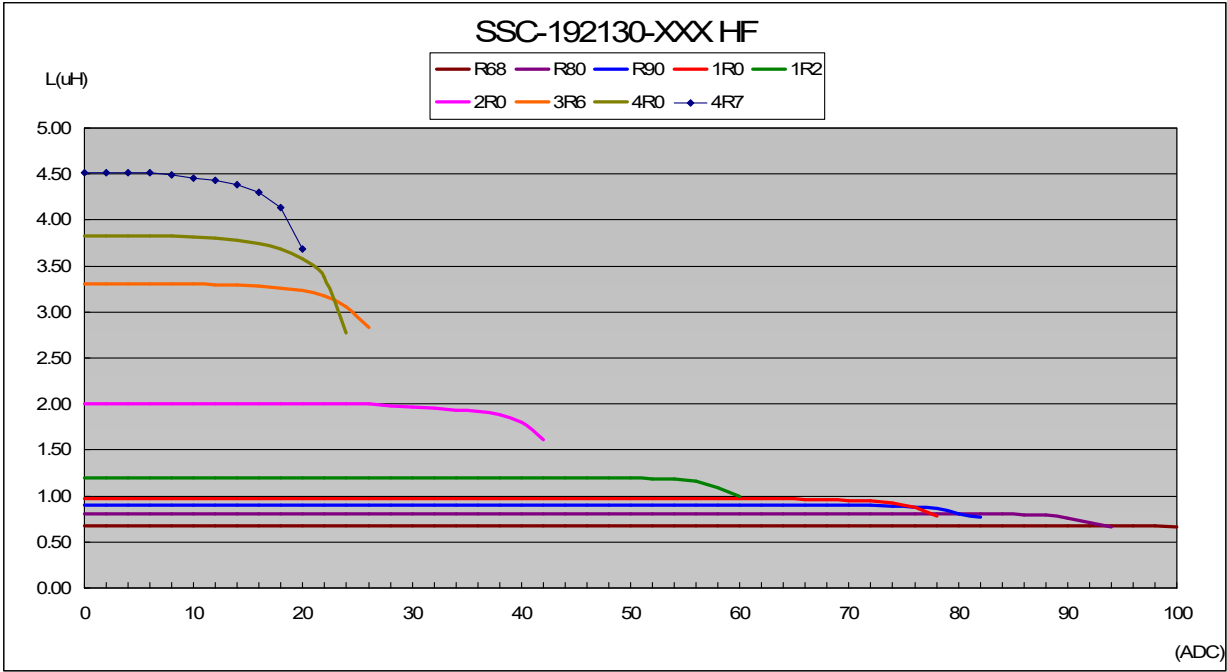
NOTE(4): Operating temperature range: -40°C ~+150°C.

PHYSICAL DIMENSION : (UNIT:mm)

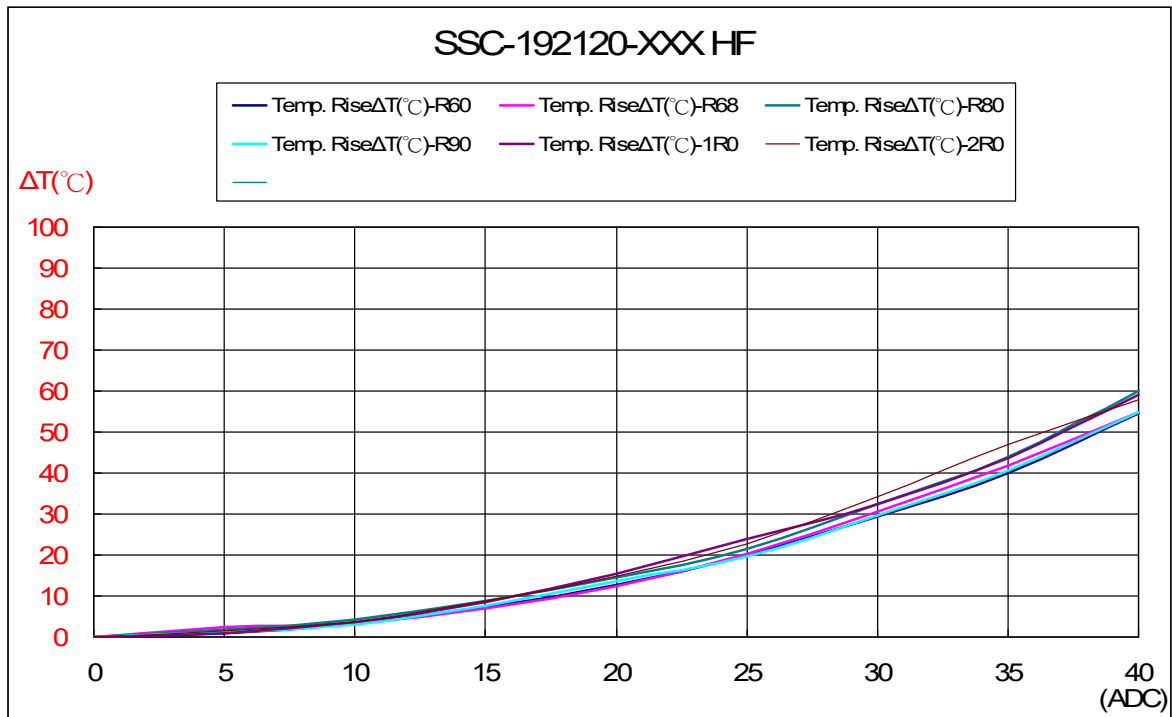
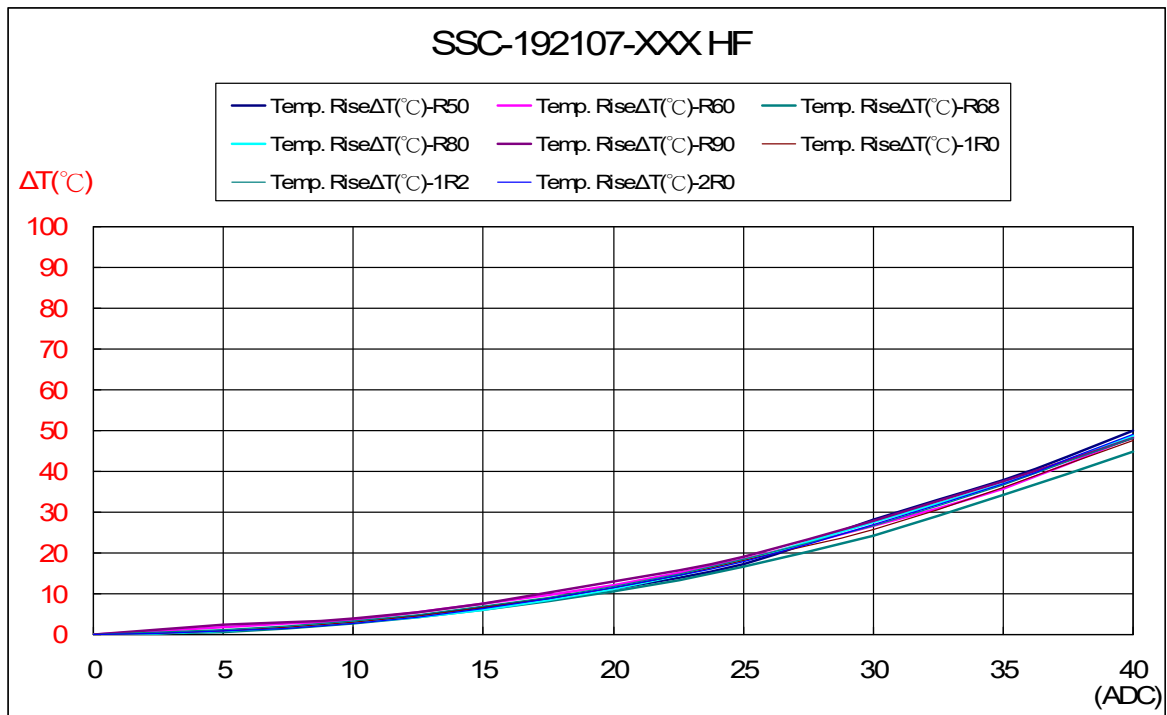


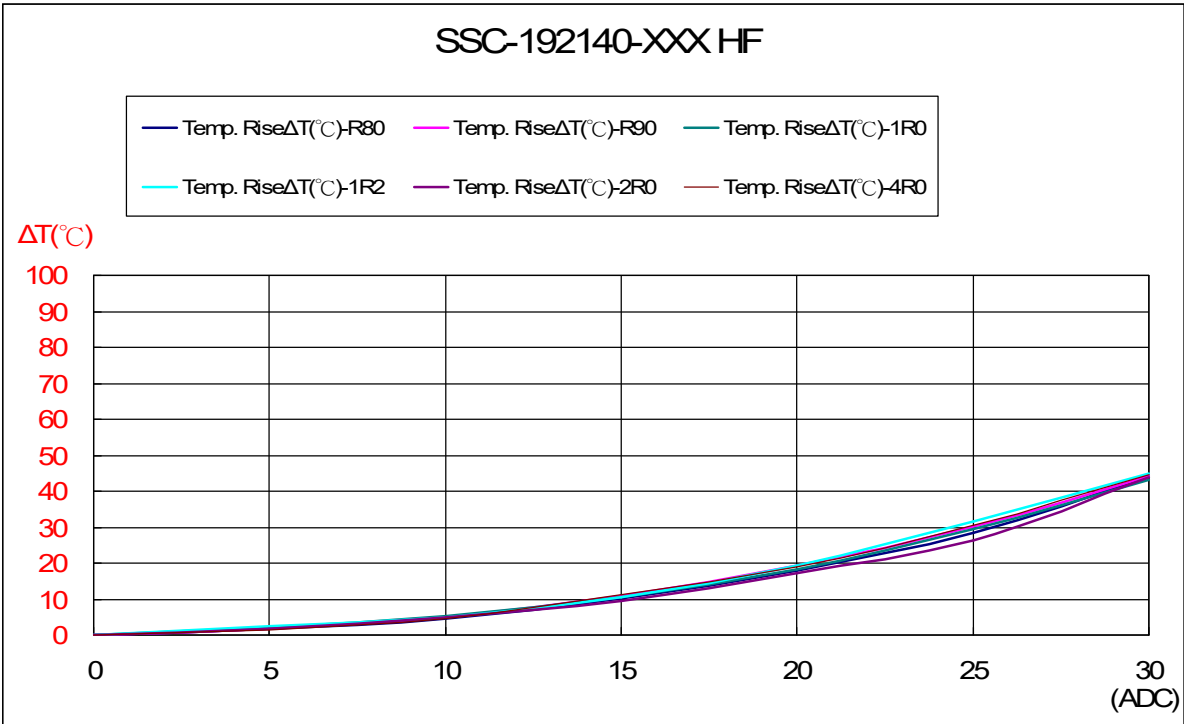
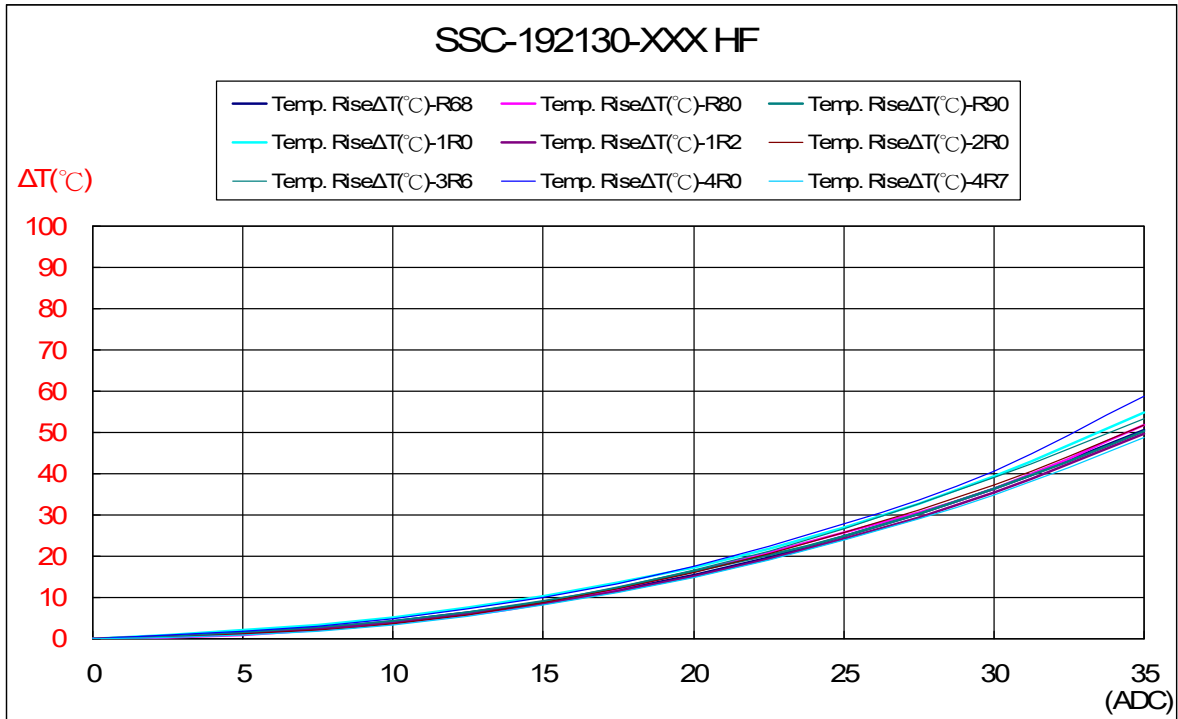
INDUCTANCE VS DC BIAS:





TEMPERATURE RISE VS DC BIAS:





PACKAGING SPEC:

1. REEL SIZE & UNITS PER REEL :13",170PCS. →SSC-192107
 REEL SIZE & UNITS PER REEL :13",150PCS. →SSC-192120
 REEL SIZE & UNITS PER REEL :13",150PCS. →SSC-192130
 REEL SIZE & UNITS PER REEL :13",125PCS. →SSC-192140
2. TAPE WIDTH:44mm.
3. REEL WIDTH: 50mm
4. COMPONENT PITCH:28mm
5. Weight: SSC-192130 Series: 11.2 g / pcs.