

SMD

HIGH CURRENT INDUCTORS

MODEL NO : SSC-19286 HF & SSC-19294 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-19286-R30 HF	0.30	0.67	45	100	8.64
SSC-19286-R50 HF	0.50	0.67	45	60	8.64
SSC-19286-R60 HF	0.60	0.67	45	49	8.64
SSC-19286-R68 HF	0.68	0.67	45	45	8.64
SSC-19286-R80 HF	0.80	0.67	45	38	8.64
SSC-19286-R90 HF	0.90	0.67	45	33	8.64
SSC-19286-1R0 HF	1.00	0.67	45	29	8.64
SSC-19286-1R2 HF	1.20	0.67	45	27	8.64
SSC-19286-2R0 HF	2.00	0.67	45	15	8.64
SSC-19294-R30 HF	0.30	0.90	45	100	9.40
SSC-19294-R50 HF	0.50	0.90	45	81	9.40
SSC-19294-R60 HF	0.60	0.90	45	70	9.40
SSC-19294-R68 HF	0.68	0.90	45	62	9.40
SSC-19294-R80 HF	0.80	0.90	45	53	9.40
SSC-19294-R90 HF	0.90	0.90	45	48	9.40
SSC-19294-1R0 HF	1.00	0.90	45	42	9.40
SSC-19294-1R2 HF	1.20	0.90	45	37	9.40
SSC-19294-2R0 HF	2.00	0.90	45	27	9.40

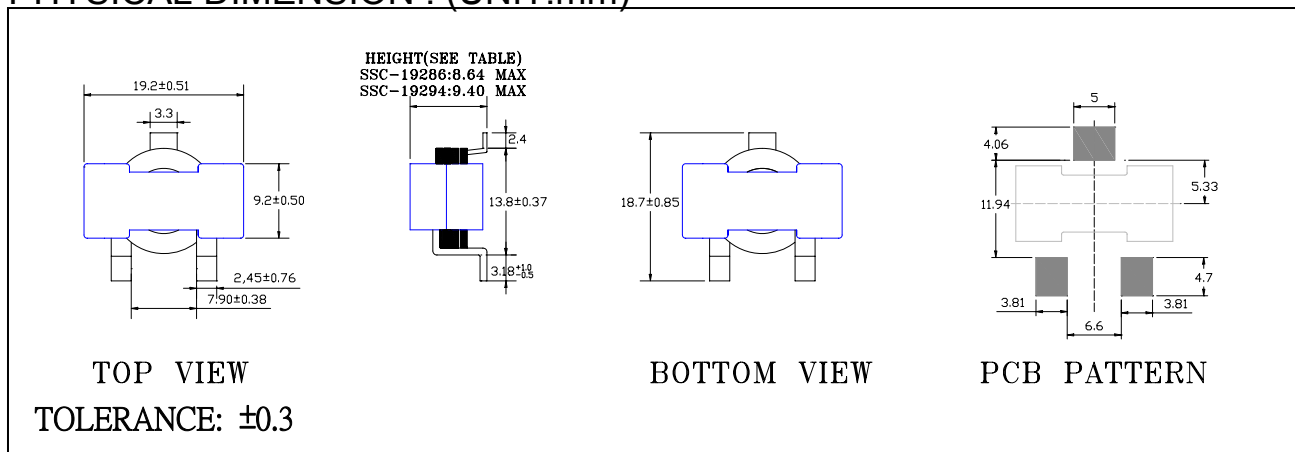
NOTE (1): Test frequency: 100 KHZ ,0.1Vrms.

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

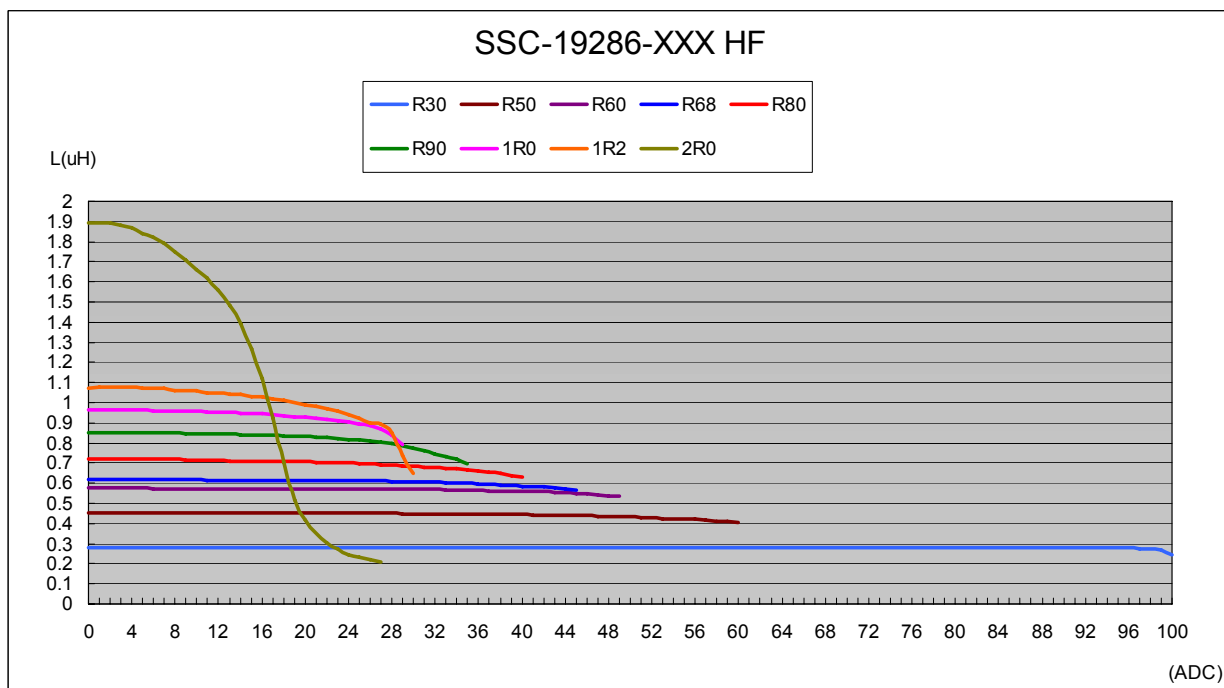
NOTE (3): The saturation current indicates the value of DC current is approximately 10% lower than its initial value of inductance.

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

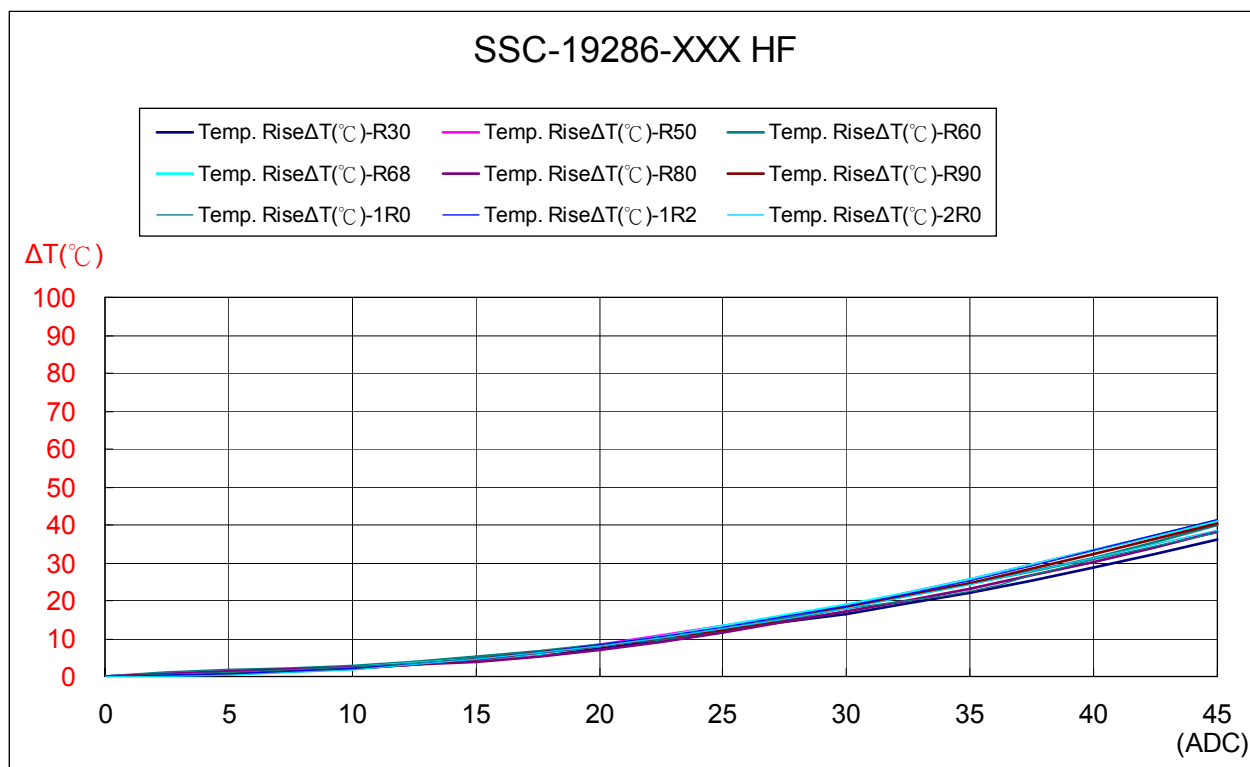
PHYSICAL DIMENSION : (UNIT:mm)



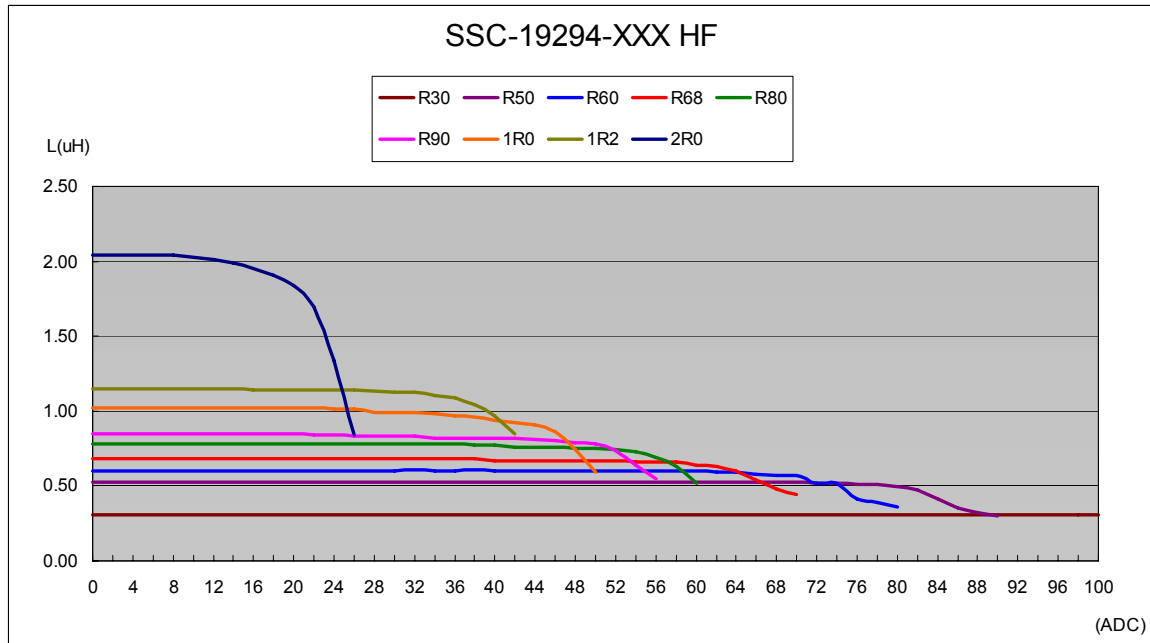
INDUCTANCE VS DC BIAS:



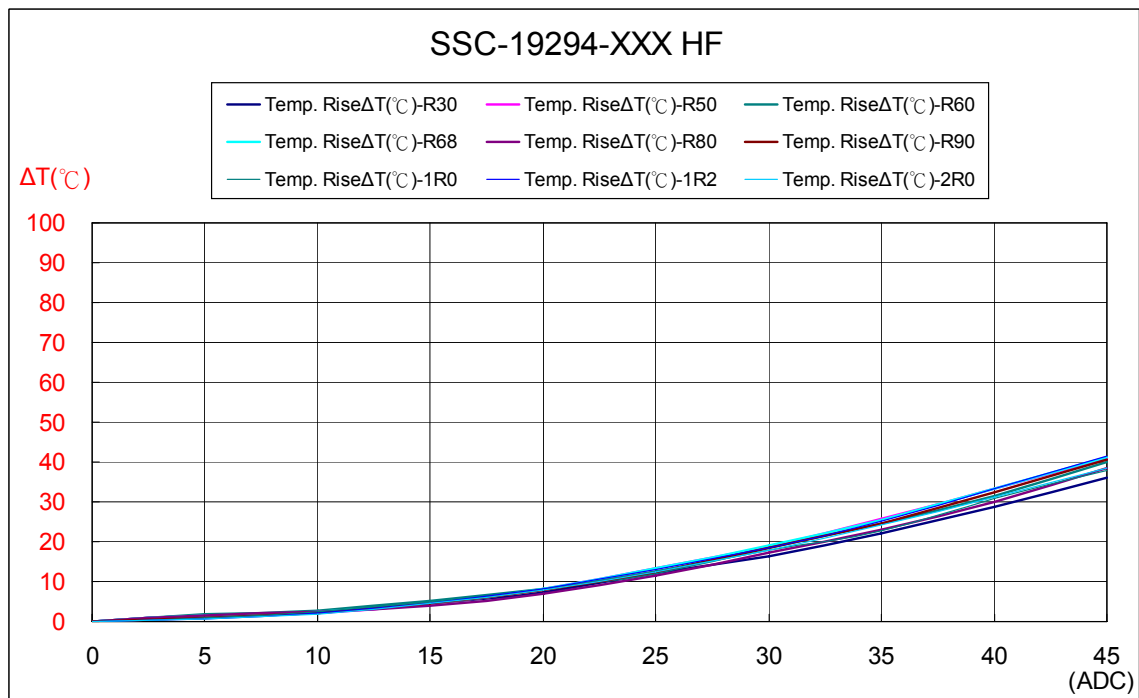
TEMPERATURE RISE VS DC BIAS:



INDUCTANCE VS DC BIAS:



TEMPERATURE RISE VS DC BIAS:



PACKAGING SPEC:

1. REEL SIZE & UNITS PER REEL :13",200PCS.
2. TAPE WIDTH:44mm.
3. REEL WIDTH: 50mm
4. COMPONENT PITCH:28mm