

HIGH CURRENT INDUCTORS



MODEL NO : SSC-330150 HF SERIES

Features :

- * SMD version .
- * Low core loss and high efficiency performance .
- * Close magnetic path for low leakage flux .
- * Low DCR with flat wire design .
- * Compliant with RoHS and Halogen free .



Application :

- * DC/DC converter in power regulation system .
- * PV inverters .

Electrical Specification :

MODEL NO	INDUCTANCE ±10% (uH)	DCR ±10% (mΩ)	TEMPERATURE RISE CURRENT (ADC) (NOTE 2)	SATURATION CURRENT (ADC)		
				@25°C (NOTE3)	@100°C	@160°C
SSC-330150-2R2 HF	2.2	0.83	55.0	>90	>80	L@69ADC ≥ 1.5uH
SSC-330150-3R5 HF	3.5	1.25	50.0	>80	L@72ADC ≥ 2.5uH	L@57ADC ≥ 2.4uH
SSC-330150-6R5 HF	6.5	1.25	46.0	51	L@41ADC ≥ 4.6uH	L@32ADC ≥ 4.5uH
SSC-330150-9R0 HF	9.0	3.0	36.0	60	L@46ADC ≥ 6.5uH	L@36ADC ≥ 6.3uH

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

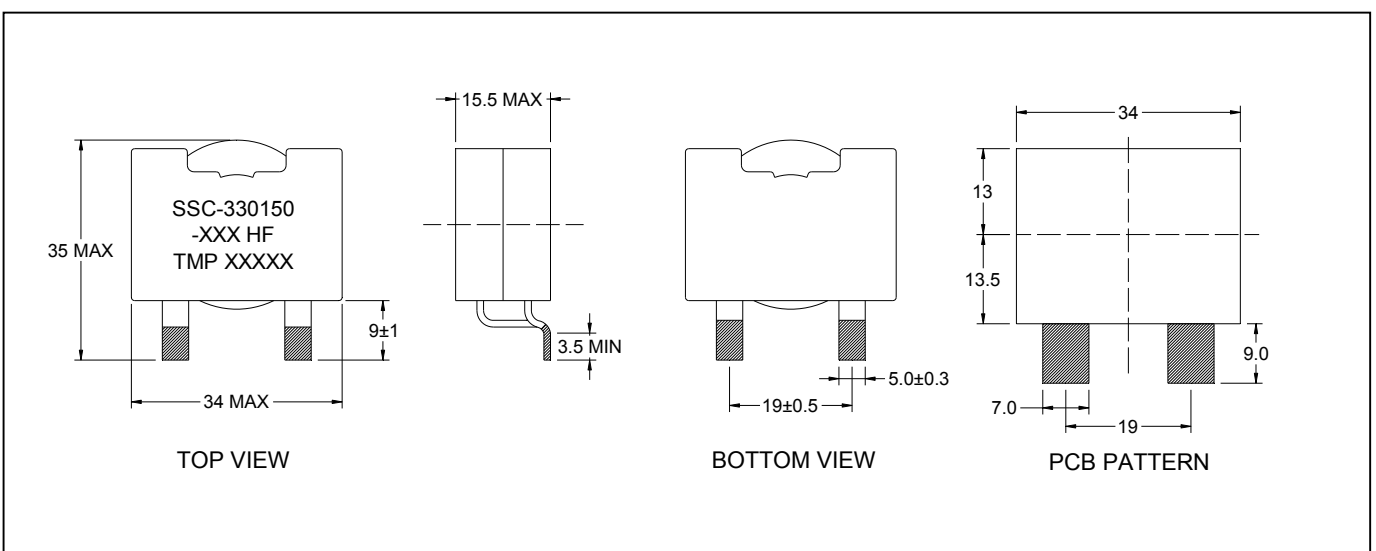
NOTE (2): ΔT=50°C approximately under the temperature rise current.

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

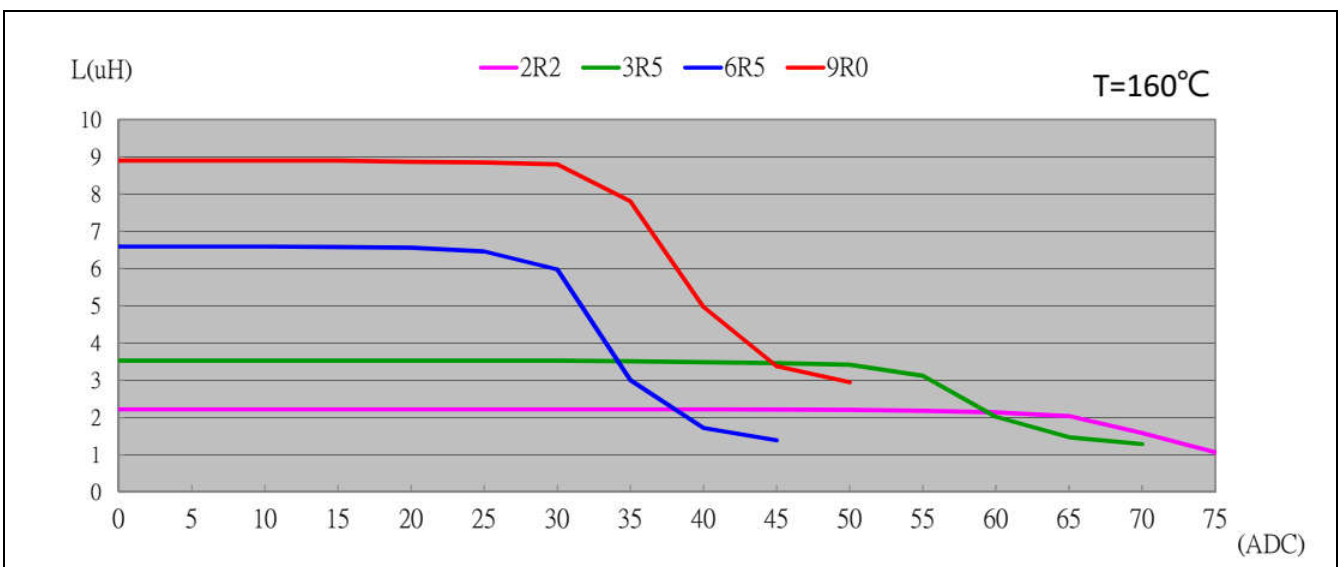
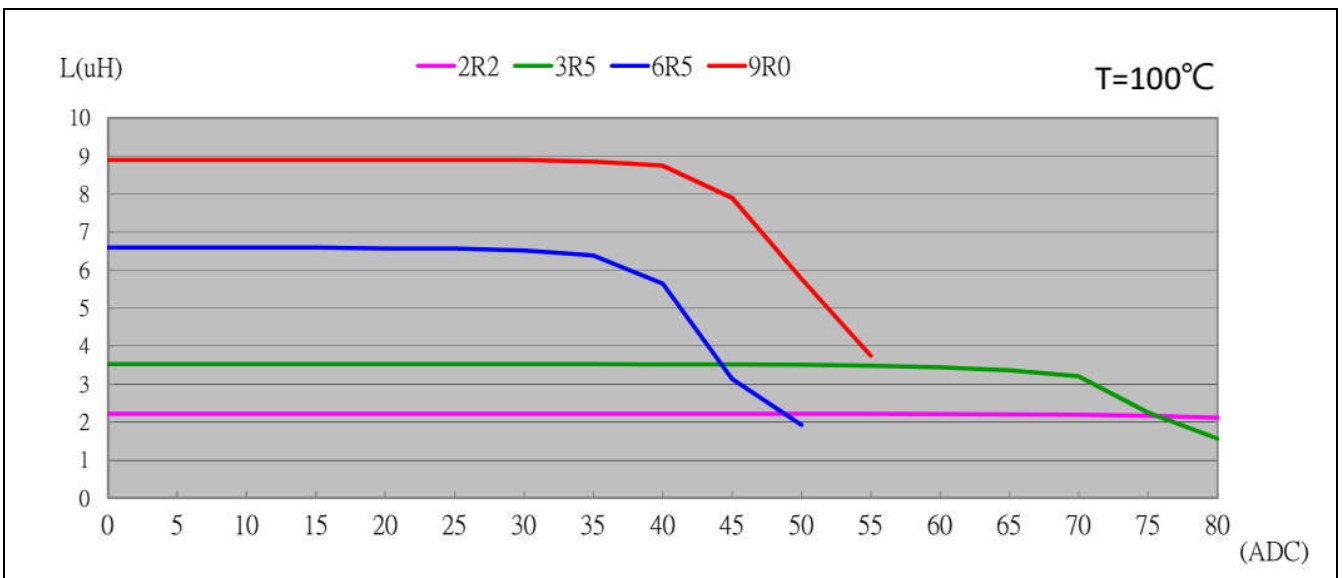
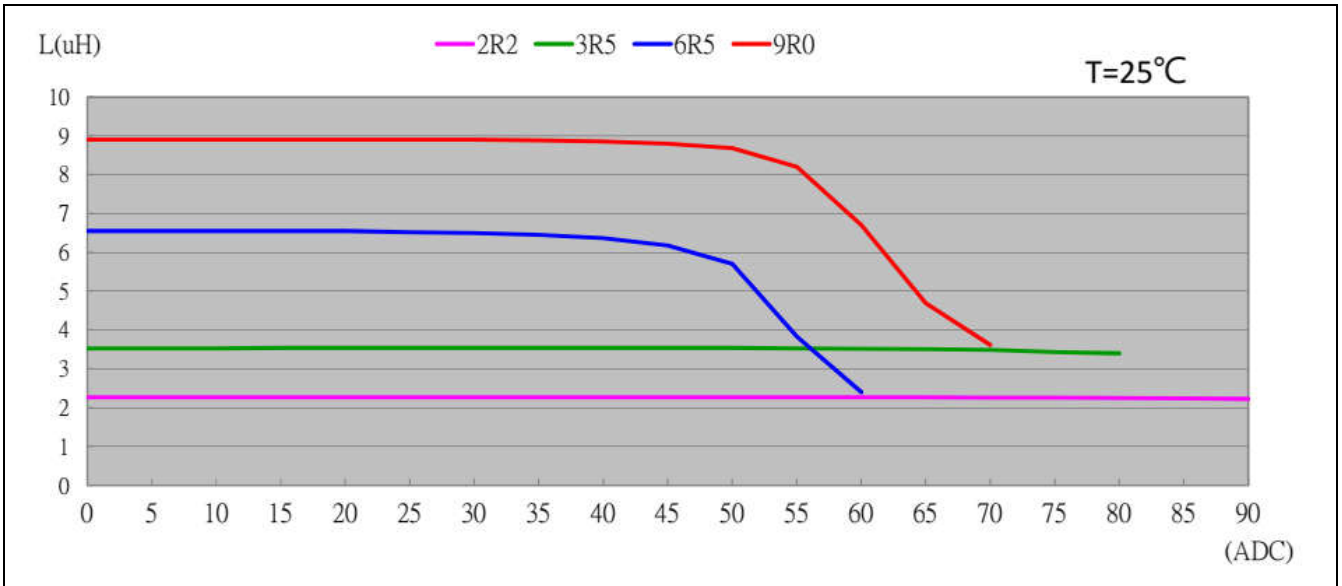
NOTE (4): Operating temperature range: -40°C~+125°C.

NOTE (5): Storage time :The recommended storage time of Inductor is maximum 12 months, and don't suggest to use the parts over 12 months.

Physical Dimension : (unit :mm)



INDUCTANCE vs DC BIAS:



TEMPERATURE vs DC BIAS :

