HIGH CURRENT INDUCTORS

MODEL NO : THI-330150MZ SERIES

Features :

∗ Through-hole 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 REACH.

Application :

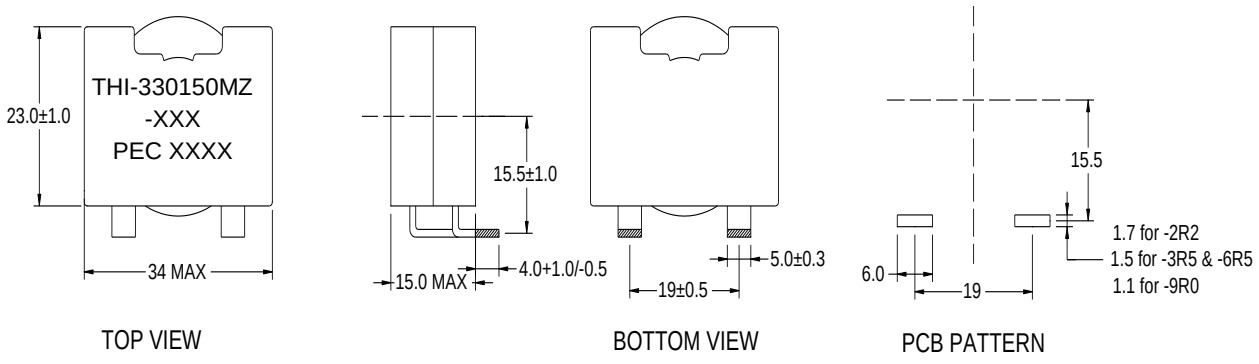
∗ DC/DC converter in power regulation system.
∗ PV inverters.

Electrical Specification :

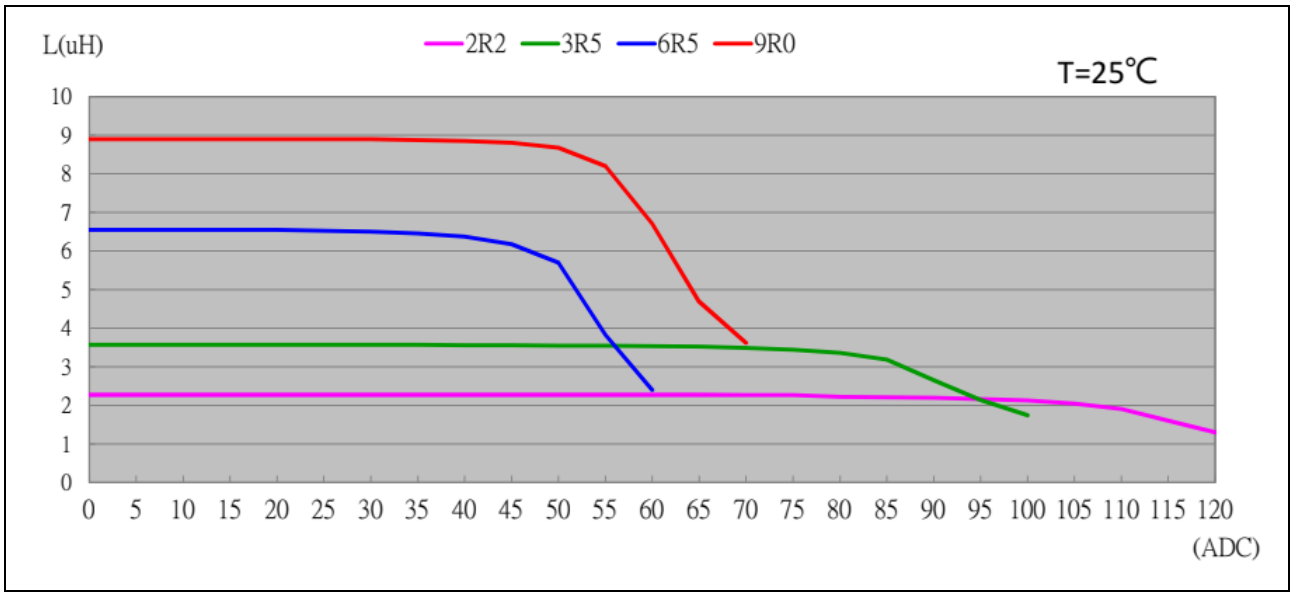
PART NO	INDUCTANCE ±10% (uH)	DCR ±10% (mΩ)	TEMPERATURE RISE CURRENT (ADC) (NOTE 2)	SATURATION CURRENT (ADC)		
				@25℃ (NOTE3)	@100℃	@160℃
THI-330150MZ-2R2	2.2	0.83	55.0	110	L@86DC≧1.6uH	L@69ADC≧1.5uH
THI-330150MZ-3R5	3.5	1.25	50.0	90	L@72ADC≧2.5uH	L@57ADC≧2.4uH
THI-330150MZ-6R5	6.5	1.25	46.0	51	L@41ADC≧4.6uH	L@32ADC≧4.5uH
THI-330150MZ-9R0	9.0	3.0	36.0	60	L@46ADC≧6.5uH	L@36ADC≧6.3uH

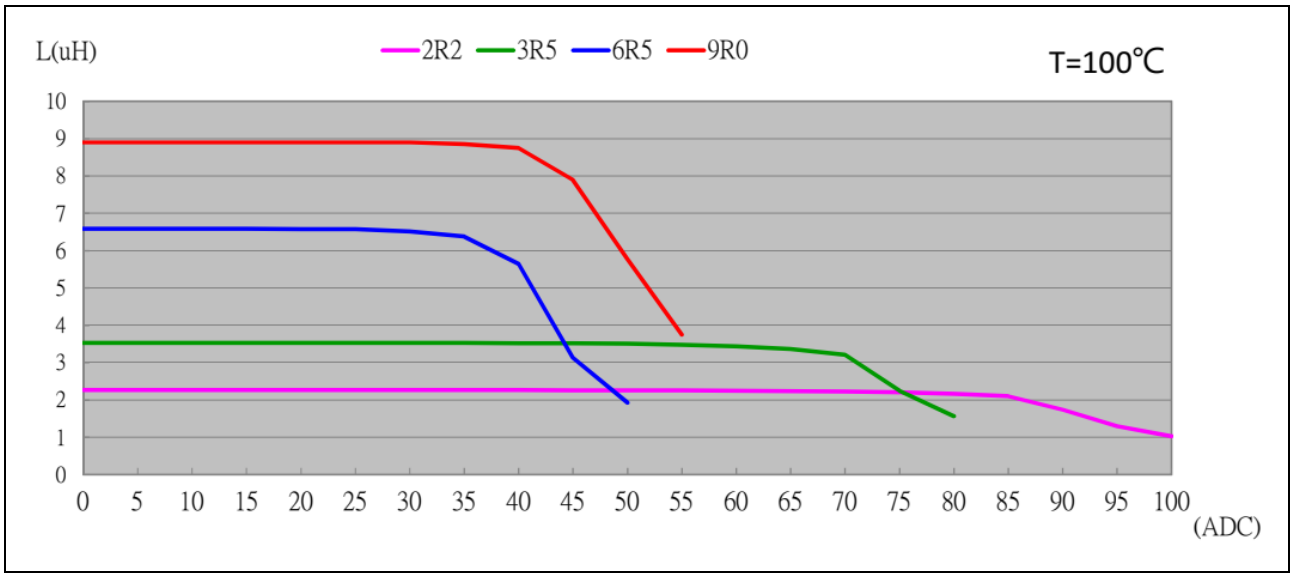
NOTE (1): Measuring condition : 100 KHZ ,0.1Vrms.
NOTE (2): ΔT=50℃ approximately under the temperature rise current.
NOTE (3): The saturation current indicates the value of DC current is approximately 30% lower than its initial value of inductance.
NOTE (4): Operating temperature range: -40℃~+125℃.
NOTE (5): Storage time :The recommended storage time of Inductor is maximum 12 months, and don't suggest to use the parts over 12 months.

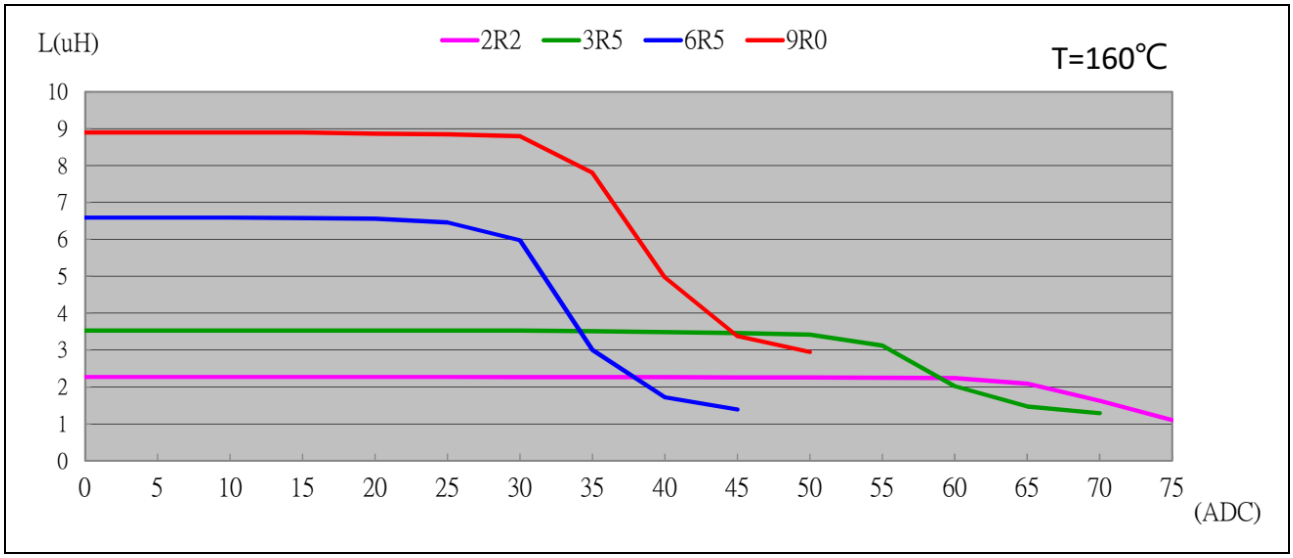
Physical Dimension : (unit :mm)



Inductance vs DC Bias:







Temperature vs DC Bias :