

MODEL NO. : HCI2717 SERIES

Features :

- * SMD version .
- * Low core loss and high efficiency performance .
- * Close magnetic path for low leakage flux .
- * Third mounting pad for greater stability and board adhesion .
- * 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 (uH)±10% @0ADC	DCR ±10% (mΩ)	TEMPERATURE RISE CURRENT (ADC)	SATURATION CURRENT (ADC) (NOTE 3)	TOTAL HEIGHT MAX (mm)
HCI2717-3R3H	3.3	2.45	28	93.6	17.78
HCI2717-4R7H	4.7	2.45	28	62.4	17.78
HCI2717-6R8H	6.8	2.45	28	45.9	17.78
HCI2717-100H	10	2.45	28	32.1	17.78
HCI2717-150H	15	2.45	28	21.5	17.78
HCI2717-220H	22	2.45	28	14.5	17.78
HCI2717-330H	33	2.45	28	9.3	17.78
HCI2717-500H	50	10.5	15.0	15.0	19.0
HCI2717-100H	10	3.45	28	41.0	19.8

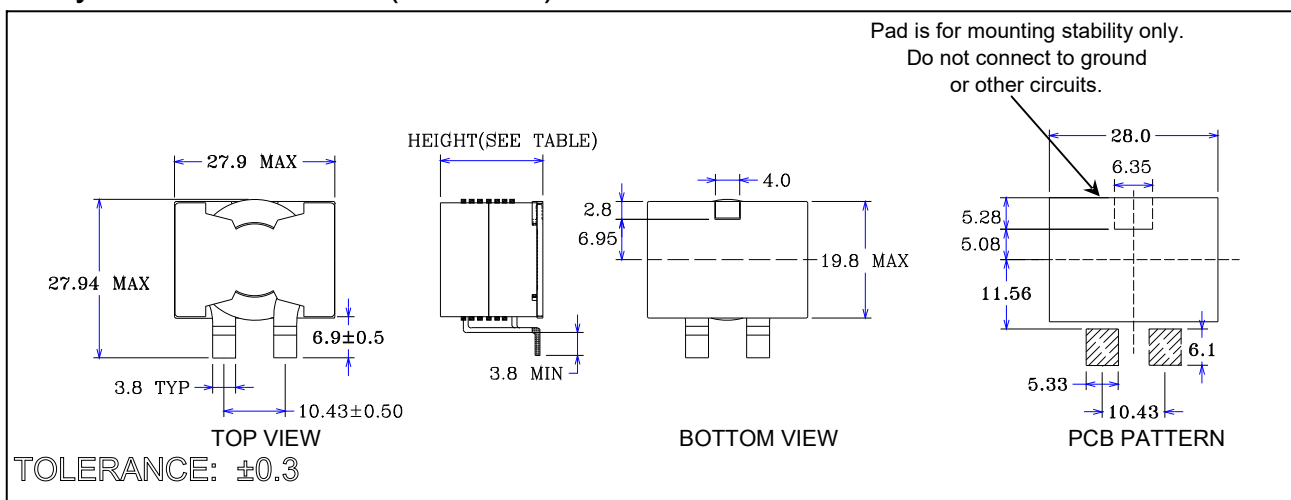
NOTE (1): Test frequency: 500 KHZ ,0.1Vrms .

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

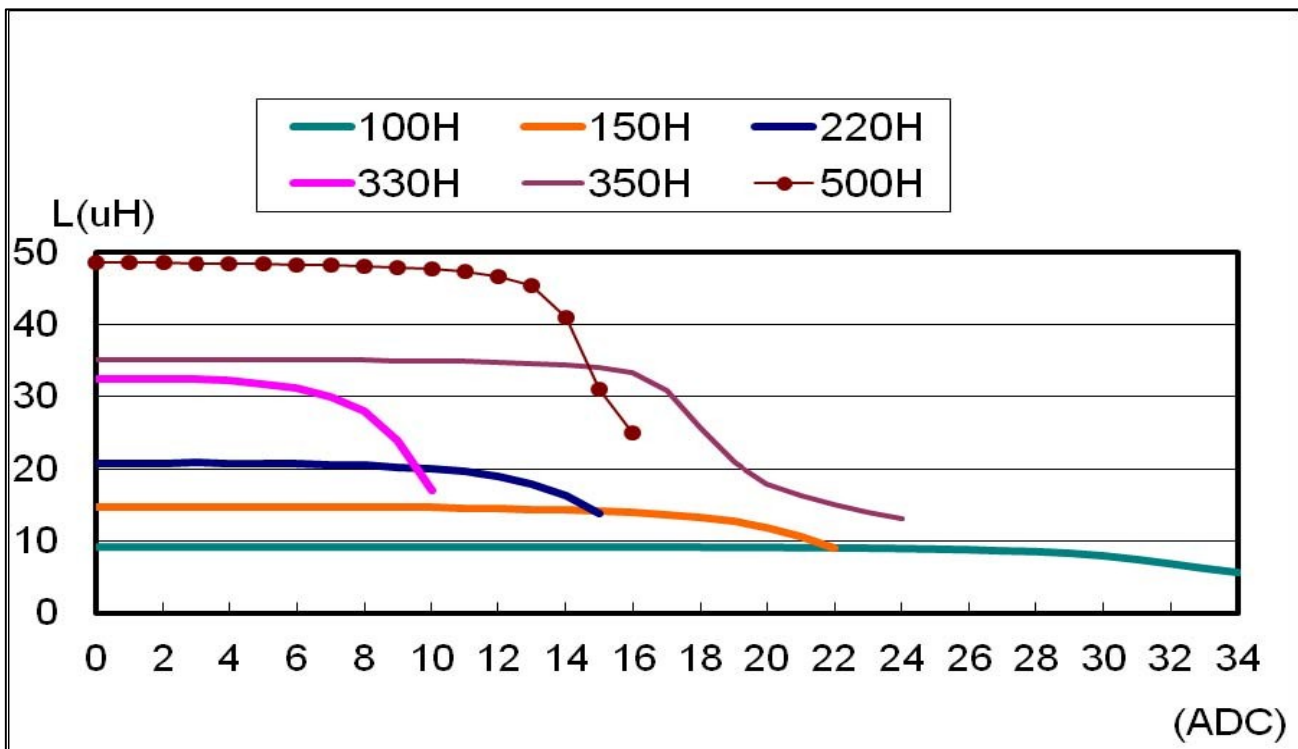
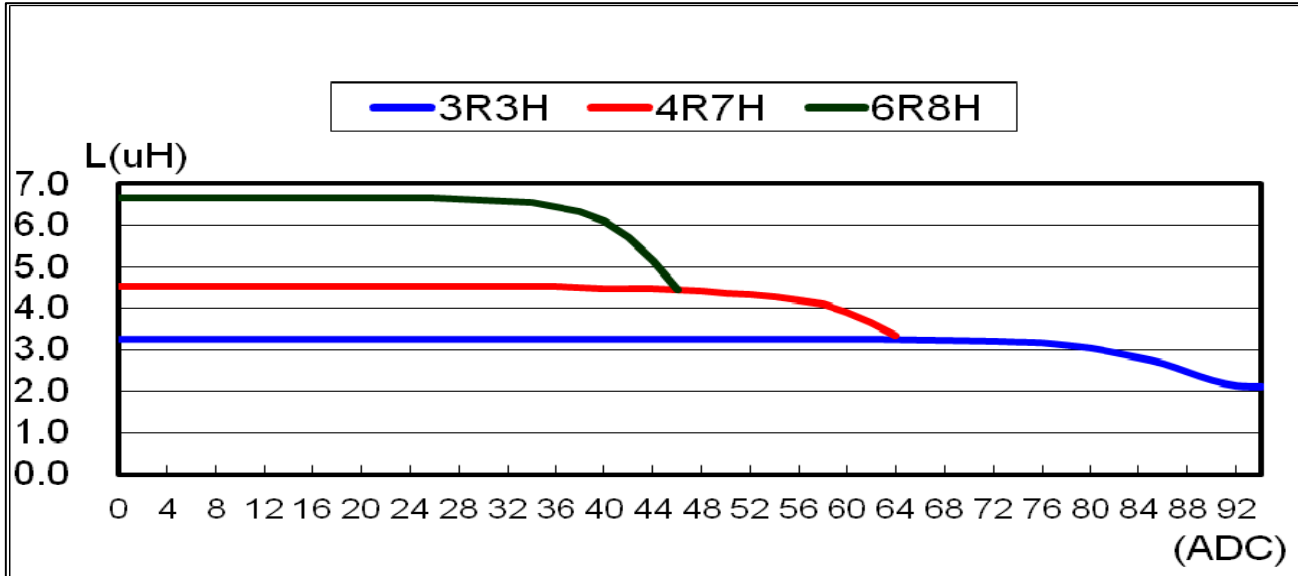
NOTE (3): The saturation current indicates the value of DC current is approximately 30% lower than its initial value of inductance .

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

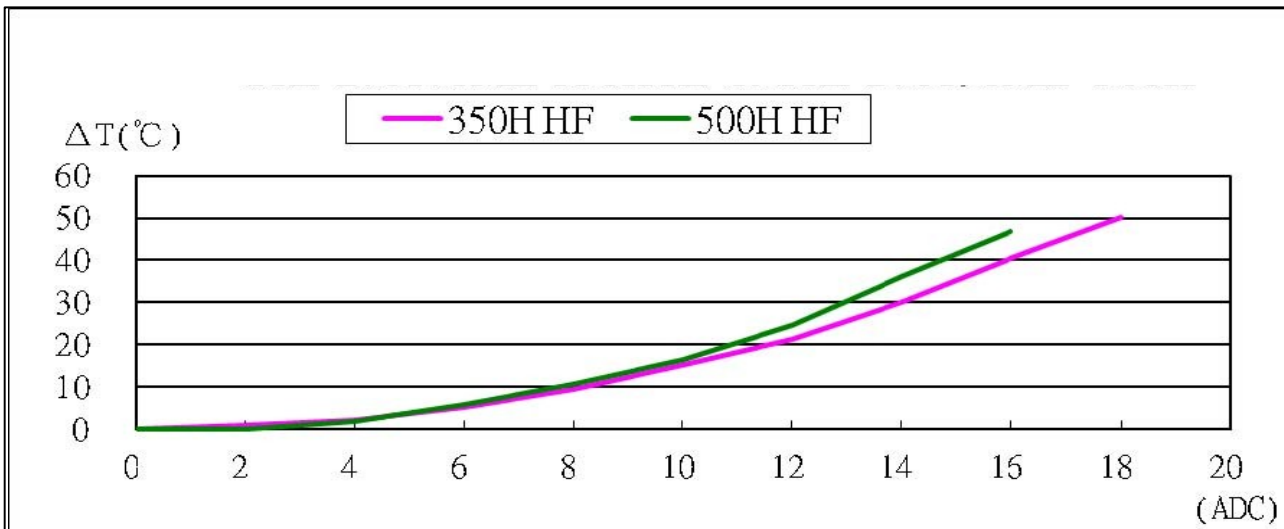
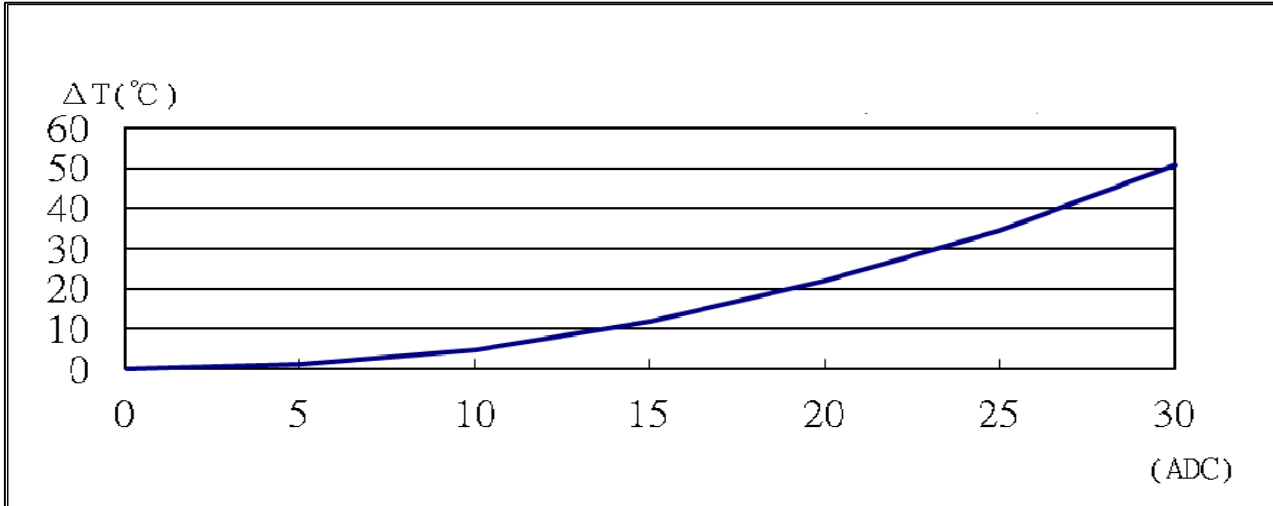
Physical Dimension : (unit :mm)



INDUCTANCE vs DC BIAS:



INDUCTANCE vs DC BIAS:



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