

### MODEL NO. : HCI2114 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 ±15% (uH)	DCR ±10% (mΩ)	TEMPERATURE RISE CURRENT (ADC) (NOTE 2)	SATURATION CURRENT (ADC) (NOTE 3)
HCI21145-R70	0.7	0.83	55.0	75
HCI21145-1R4	1.4	1.08	48.0	60
HCI21145-2R2	2.2	1.50	39.0	50
HCI21145-3R1	3.1	2.09	36.0	43
HCI21145-4R2	4.2	3.04	25.0	38
HCI21145-5R5	5.5	4.00	23.0	33
HCI21145-7R0	7.0	5.61	21.0	30
HCI21145-8R6	8.6	7.19	17.0	25
HCI21145-100	10	7.96	16.0	23
HCI21145-150	15	8.70	15.0	21
HCI21145-220	22	10.65	13.0	15
HCI21145-330	33	11.4	13.0	11
HCI21145-470	47	12.2	12.0	8.5

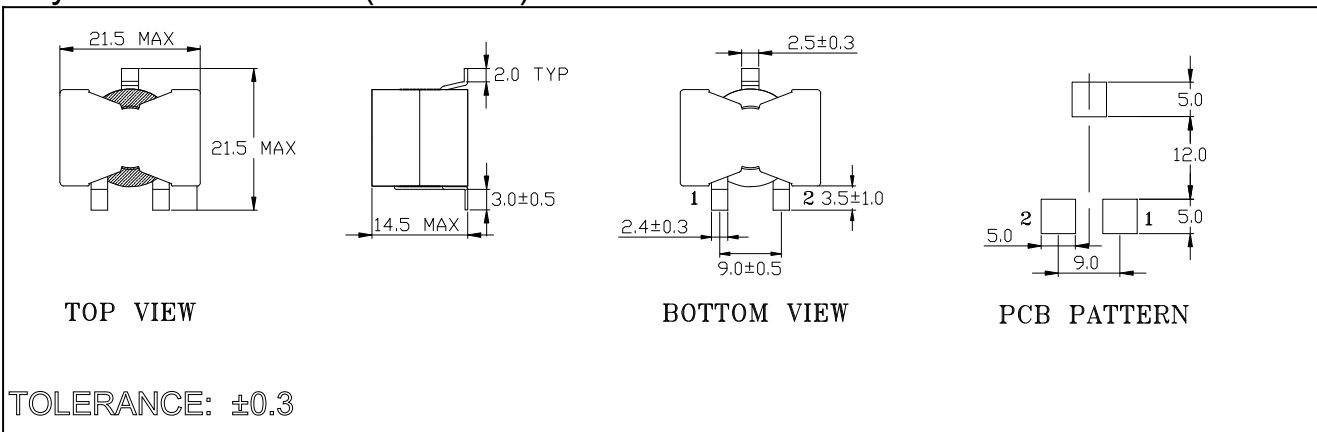
NOTE (1): Test frequency: 100 KHZ ,0.1Vrms.

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

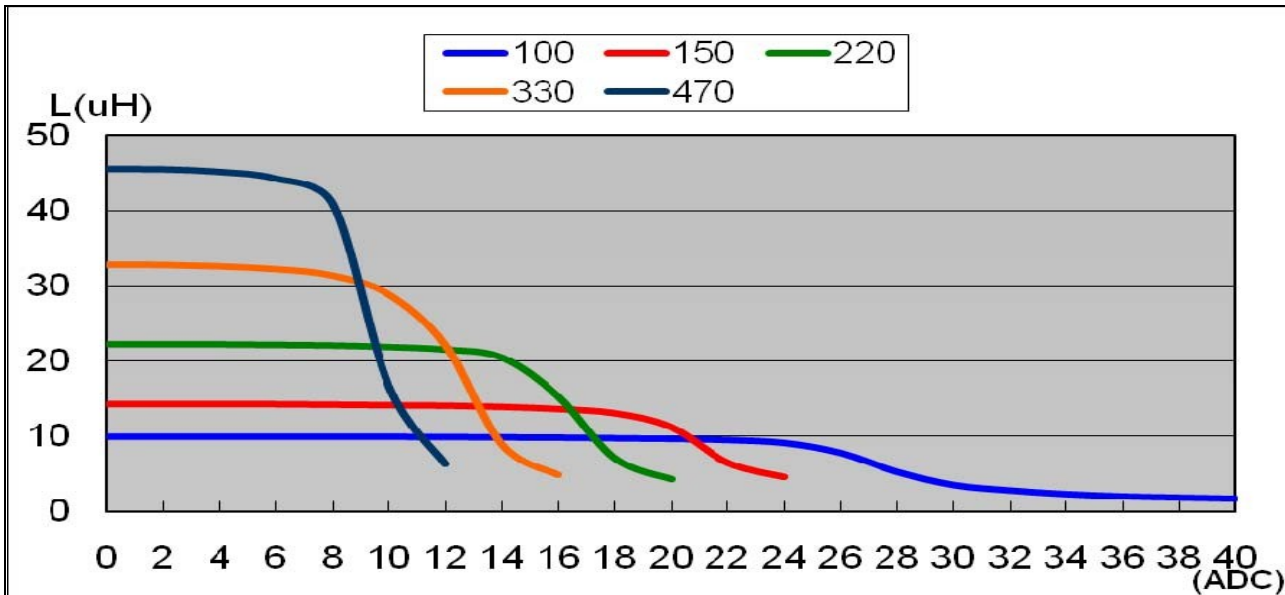
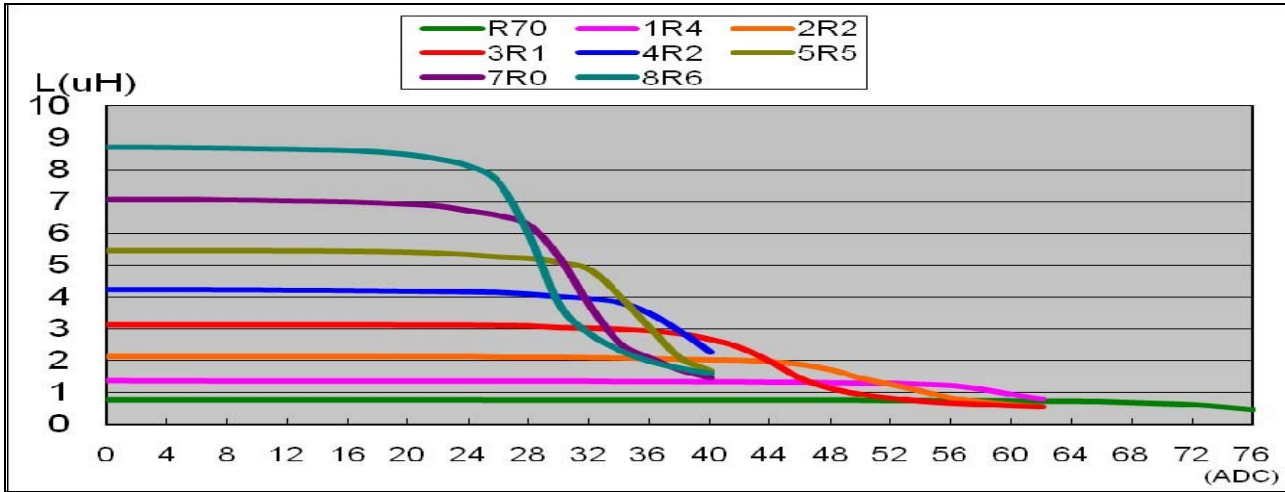
NOTE (3): The saturation current indicates the value of DC current is approximately 30% lower than its initial value of inductance.

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

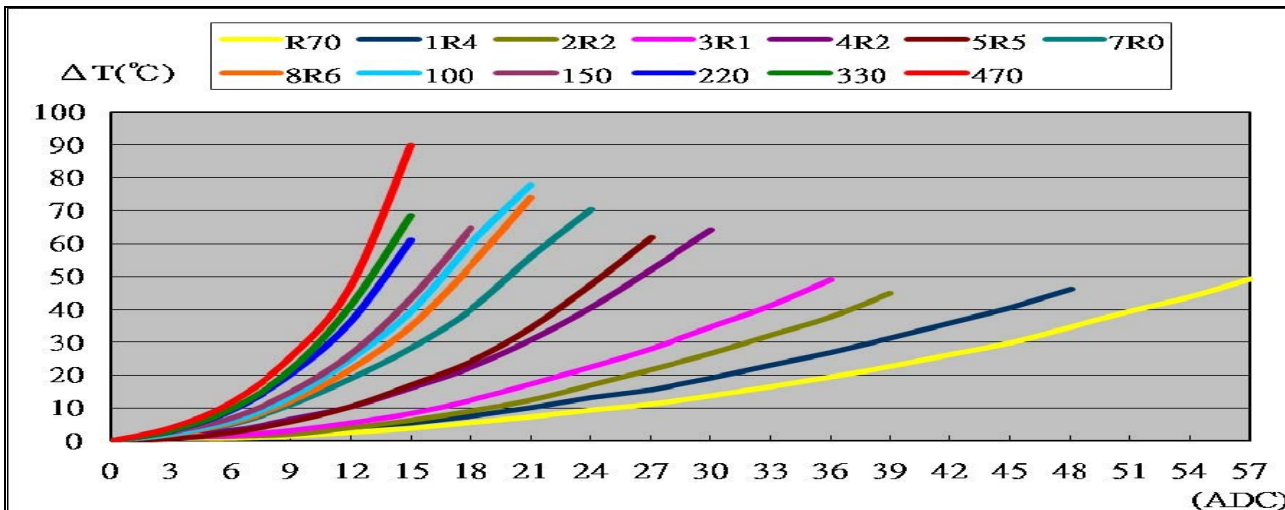
#### Physical Dimension : (unit :mm)



## INDUCTANCE vs DC BIAS:



## TEMPERATURE vs DC BIAS :



### PACKAGING SPEC

1. REEL SIZE & UNITS PER REEL :13",120PCS.
2. TAPE WIDTH:44mm.
3. REEL WIDTH: 50mm
4. COMPONENT PITCH:32mm

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