

MODEL NO. : HCI2212 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 :

- * Solar energy .
- * Medical equipment .
- * DC/DC converter in power regulation system .



Electrical Specification :

PART NO	INDUCTANCE (μ H) \pm 20% @0ADC	INDUCTANCE (μ H) TYP @ TEMPERATURE RISE CURRENT	TEMPERATURE RISE CURRENT (ADC) (NOTE 2)	INDUCTANCE (μ H) TYP @ SATURATION CURRENT	SATURATION CURRENT (ADC) (NOTE 3)	DCR \pm 10% (m Ω)
HCI2212-2R2	2.2	1.3	37	1.3	37.0	0.90
HCI2212-4R7	4.7	3.2	30.0	3.1	35.0	1.7
HCI2212-6R8	6.8	4.3	28.5	4.25	31.0	2.1
HCI2212-8R2	8.2	5.6	25.5	5.5	30.0	2.7
HCI2212-100	10	7.8	22.0	7.2	27.0	3.4
HCI2212-120	12	9.3	20.0	8.6	25.0	4.3
HCI2212-220	22	17.5	15.0	16.6	18.0	7.3
HCI2212-330	33	29.0	11.0	25.0	14.5	13.0
HCI2212-470	47	43.0	9.0	36.0	11.8	19.2
HCI2212-680	68	63.0	7.2	53.0	9.4	27.3
HCI2212-820	82	76.0	7.0	58.5	8.6	30.4
HCI2212-101	100	76	7.0	70	7.1	30.4

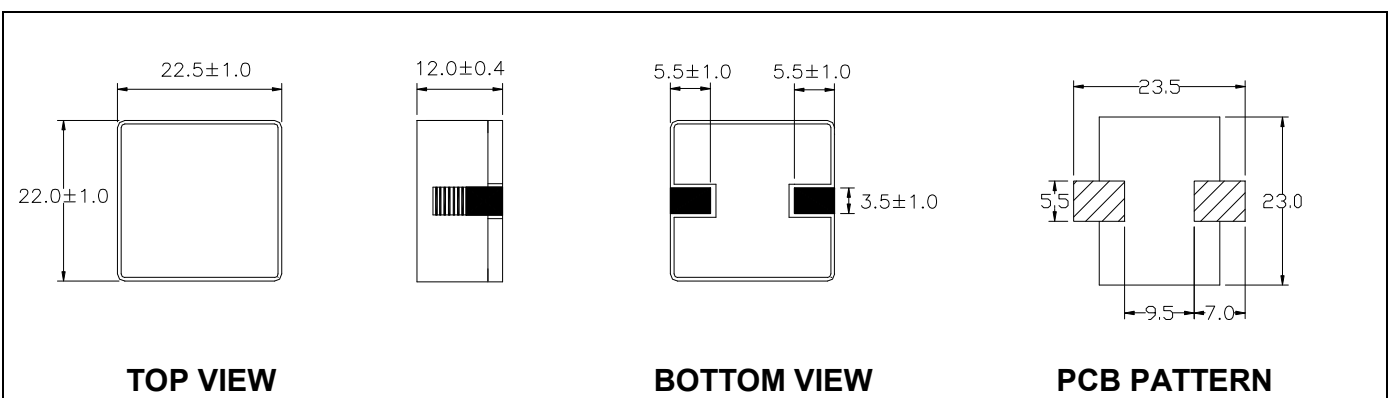
NOTE(1): Measuring condition: 100 KHZ, 0.1Vrms.

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

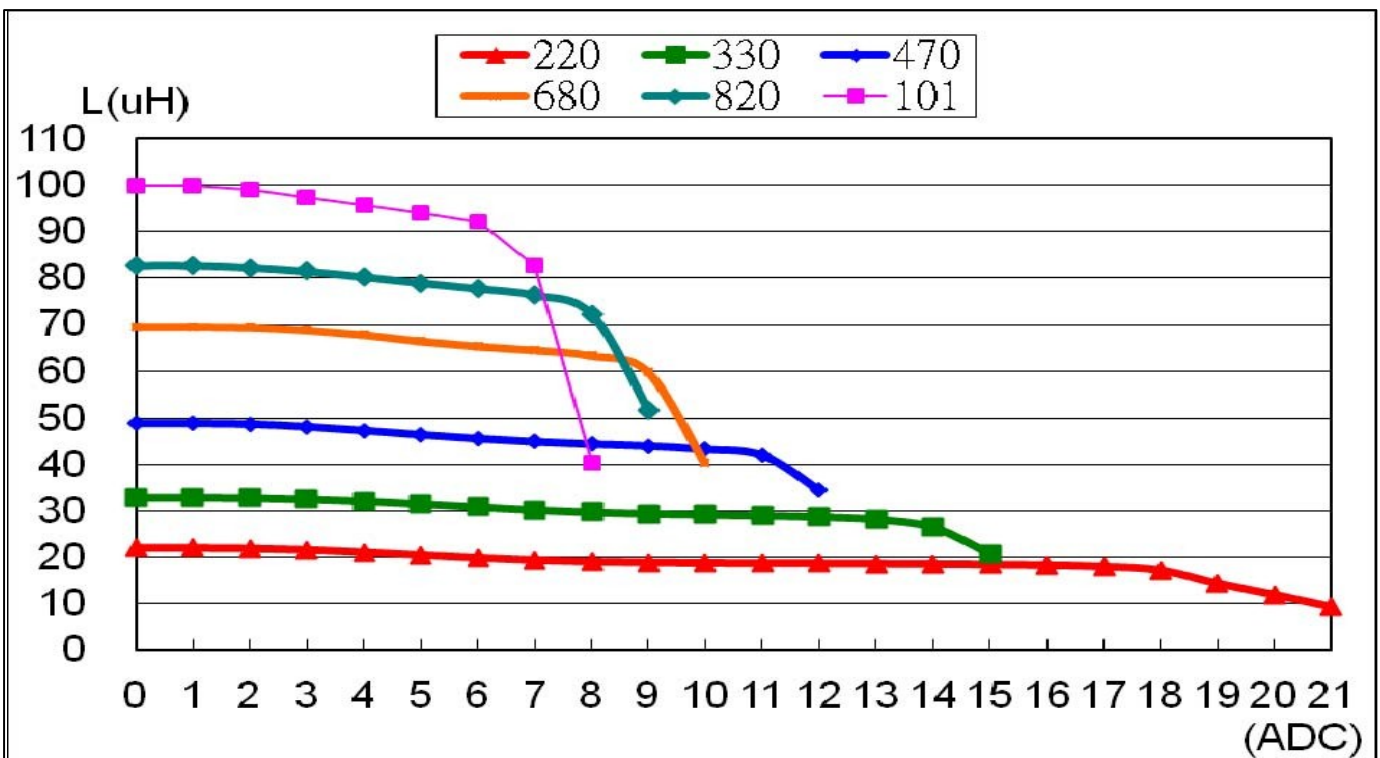
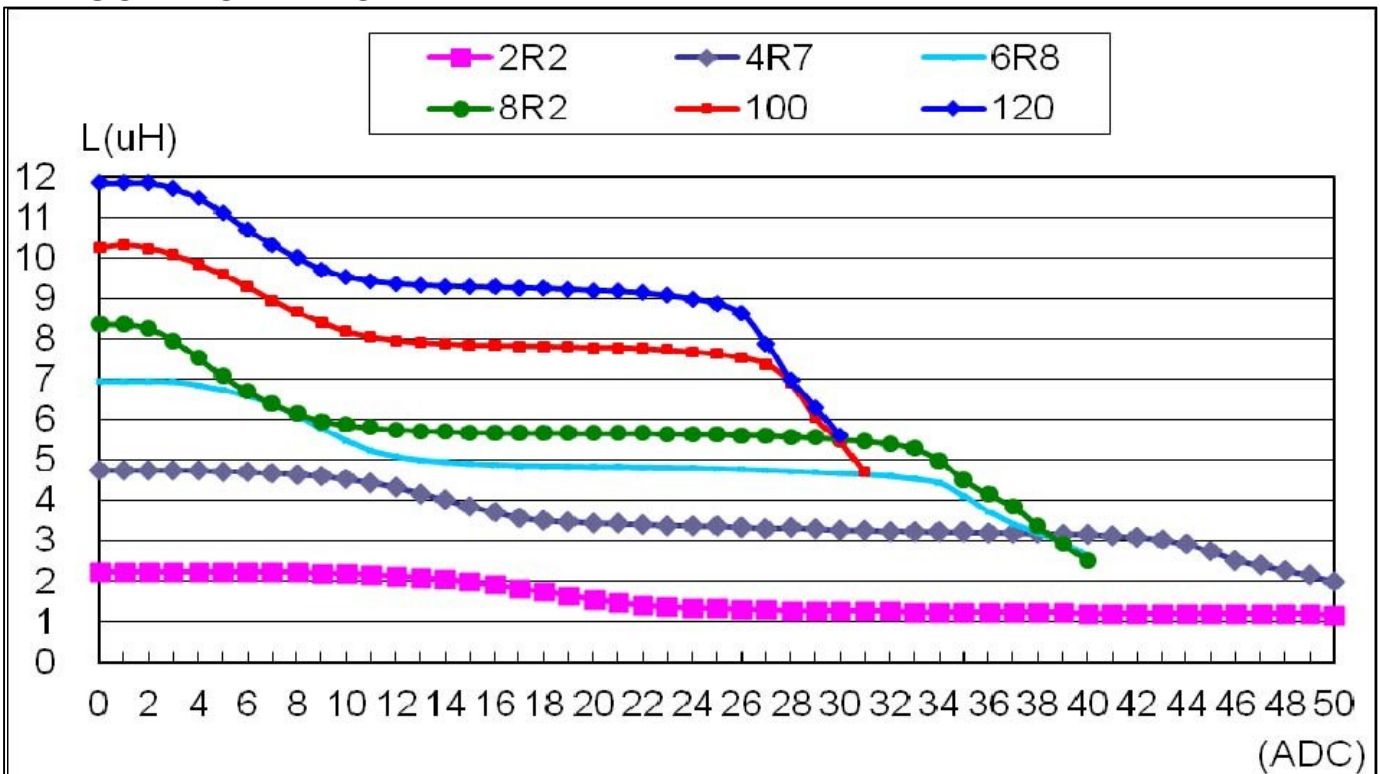
NOTE(3): The saturation current indicates the value of DC current is approximately 30% lower than its initial value of inductance.

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

Physical Dimension : (unit :mm)



INDUCTANCE vs DC BIAS :



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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