

### MODEL NO. : HCI0730 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 :

- \* Automobile. \* VGA card .
- \* DC/DC converter in power regulation system .



#### Electrical specification :

PART NO	INDUCTANCE ( $\mu$ H) $\pm 20\%$ @0ADC	INDUCTANCE ( $\mu$ H) TYP @ TEMPERATRUE RISE CURRENT	TEMPERATRUE RISE CURRENT (ADC) (NOTE 2)	SATURATION CURRENT (ADC) (NOTE 3)	DCR $\pm 10\%$ (m $\Omega$ )
HCI0730-R13	0.13	0.12	22.0	48	0.91
HCI0730-R24	0.24	0.22	20.0	40	1.6
HCI0730-R30	0.30	0.25	20.0	25	1.6
HCI0730-R48	0.48	0.44	14.0	20	3.7
HCI0730-R95	0.95	0.71	11.0	13	6.2
HCI0730-1R1	1.15	1.0	8.5	13	8.0
HCI0730-1R6	1.65	1.25	7.5	12	13.5
HCI0730-2R0	2.0	1.55	6.5	9.0	13.5
HCI0730-2R2	2.2	1.8	5.5	9.0	17.2

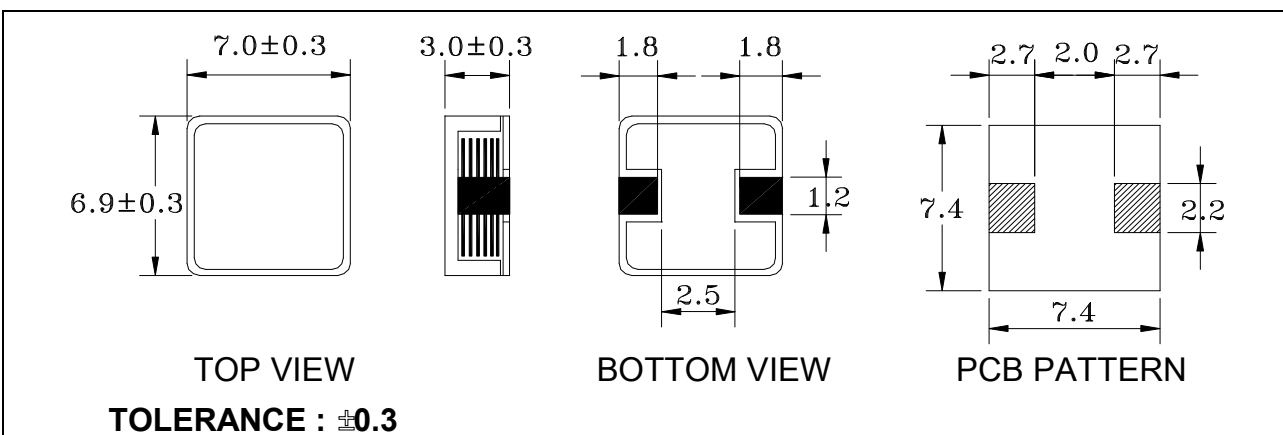
NOTE(1): Measuring condition : 100 KHZ,0.1Vrms.

NOTE(2): $\Delta T=45^{\circ}\text{C}$  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:  $-40^{\circ}\text{C}\sim+150^{\circ}\text{C}$ .

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



#### PACKAGING SPEC:

1. REEL SIZE & UNITS PER REEL :13",1500PCS.
2. TAP WIDTH : 1.6 mm .
3. REEL WIDTH : 22.4 mm .
4. COMPONENT CH : 1.2 mm

