

MODEL NO. : HCI1040 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 .
- * Automobile .
- * Routers.



Electrical Specification :

PART NO	INDUCTANCE (uH) $\pm 20\%$ @0 ADC	DCR $\pm 10\%$ (m Ω)	INDUCTANCE (uH) TYP @ TEMPERATURE RISE CURRENT (ADC)	TEMPERATURE RISE CURRENT (ADC) (NOTE 2)	SATURATION CURRENT (ADC) (NOTE 3)
HCI1040-R15	0.15 $\pm 30\%$	0.58	0.13	25	60.0
HCI1040-R34	0.34	1.10	0.27	24	35.0
HCI1040-R62	0.62	1.71	0.47	21	30.0
HCI1040-1R0	1.00	3.30	0.73	14	20.0
HCI1040-1R5	1.50	5.20	1.10	13	17.0
HCI1040-2R0	2.00	7.30	1.55	10.5	13.0
HCI1040-2R8	2.80	10.6	2.10	9.0	11.0
HCI1040-4R3	4.30	14.1	3.20	7.5	9.5
HCI1040-5R6	5.60	21.1	4.10	6.0	8.0

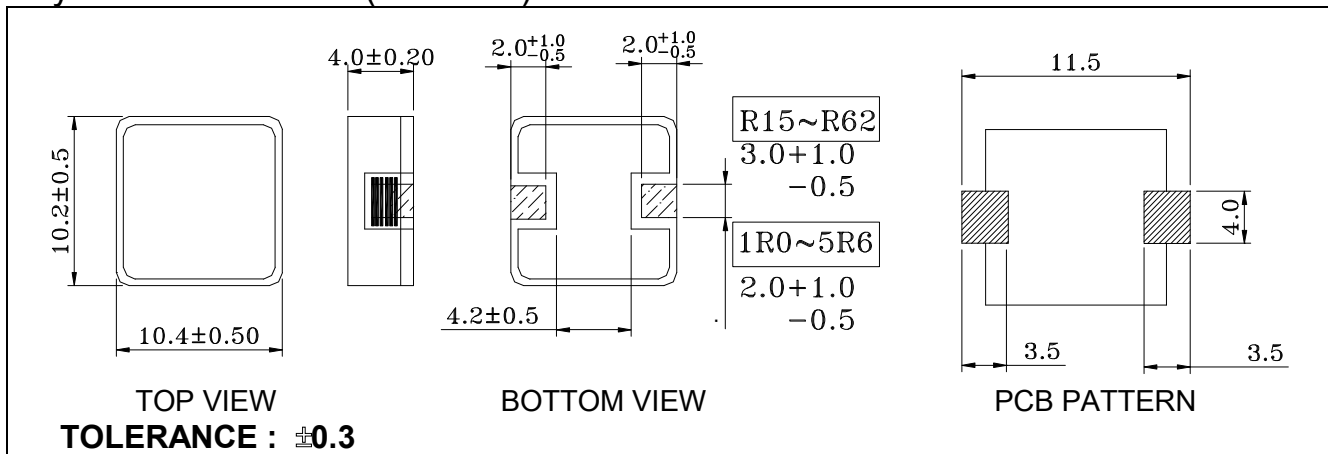
NOTE(1): Measuring condition : 100 KHZ, 0.1Vrms

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

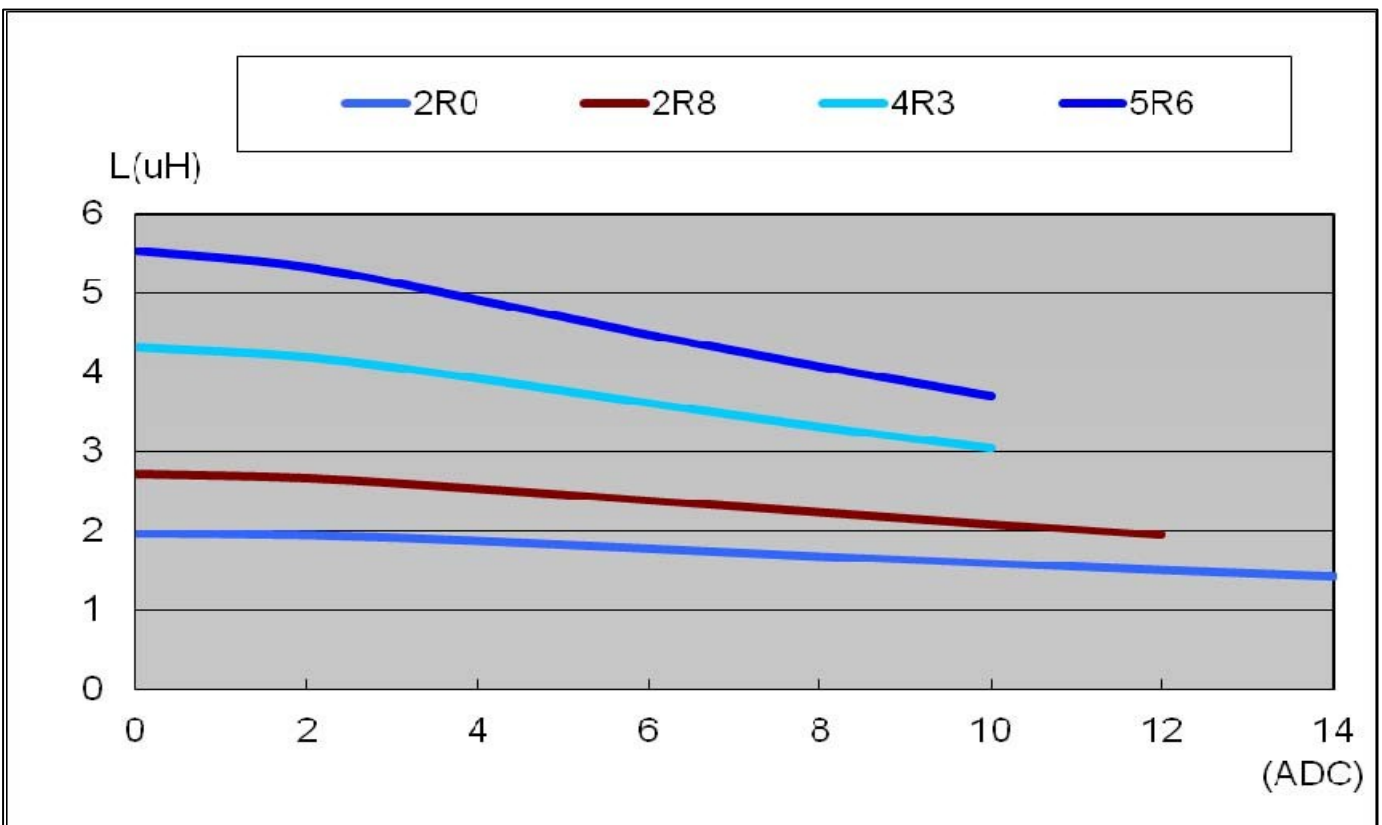
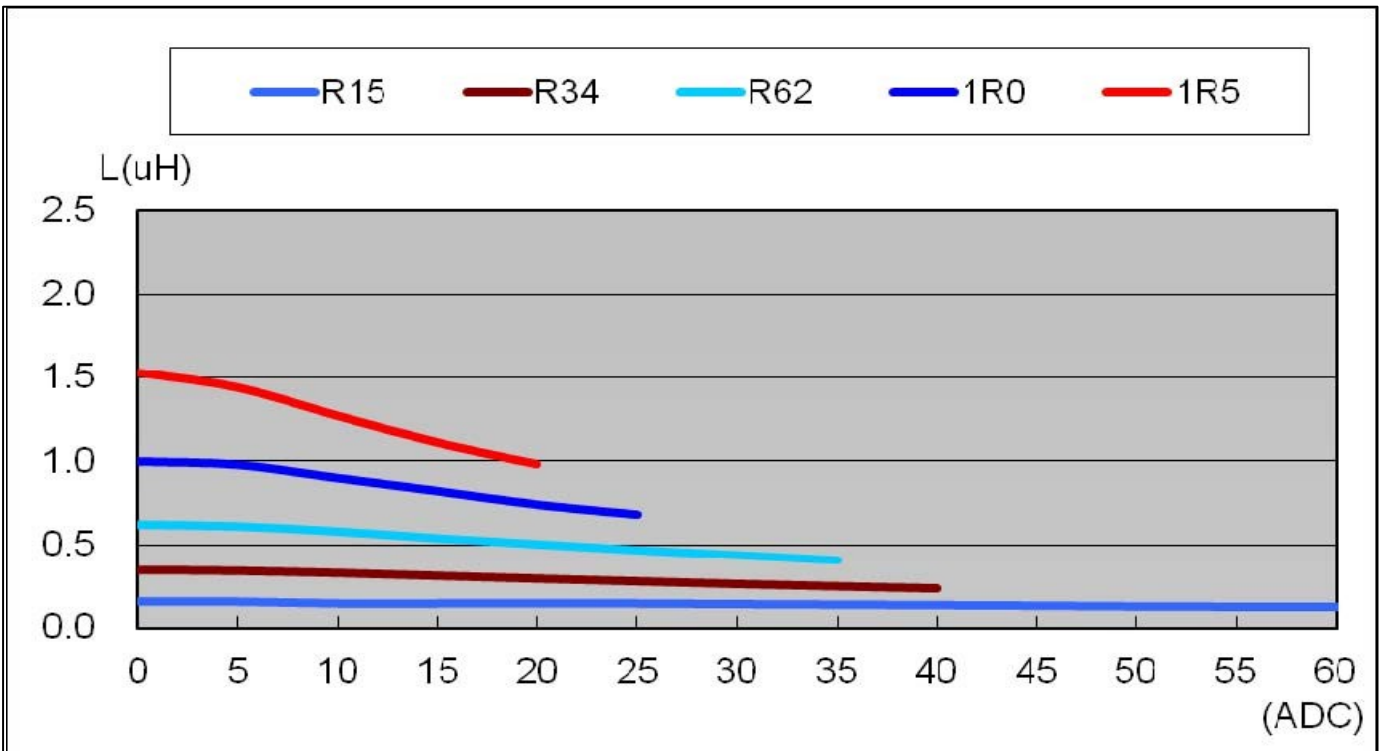
Physical Dimension : (unit :mm)



PACKAGING SPEC:

1. REEL SIZE & UNITS PER REEL : 13", 800PCS.
2. TAPE WIDTH: 24mm.
3. REEL WIDTH: 29.5mm.
4. COMPONENT PITCH: 16mm

INDUCTANCE vs DC BIAS:



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Ferrite Beads](#) category:

Click to view products by [Ferrocore](#) manufacturer:

Other Similar products are found below :

[2943778301](#) [BMB1J0120BN3JIT](#) [82350120560](#) [0261014605](#) [2643066902](#) [3061000011](#) [2673045901](#) [2643083601](#) [2643074901](#) [4361142521](#)
[4078078621](#) [4078044821](#) [4078033621](#) [CZB2BFTTE121P](#) [BMB2A0120AN2](#) [BMB1J0200BN3JIT](#) [EMI0805R-220](#) [74279250](#) [7427924](#)
[CZB1JGTTD202P](#) [MAF0603GWY551AT000](#) [MAF1005GWZ102AT000](#) [BLM18HE152SH1D](#) [2944778302](#) [BLM02PX600SN1D](#) [SMB2.5-1](#)
[EMI1206R-600](#) [BLM02KX180SN1D](#) [BLM02BC100SN1D](#) [BLM02KX100SN1D](#) [BLM02BB101SN1D](#) [BLM02BC220SN1D](#)
[BLE32PN260SH1L](#) [BLE32PN260SN1L](#) [BLE32PN260SZ1L](#) [74275013](#) [7427503](#) [BLM18HE601SH1D](#) [BLM15BD152SN1D](#)
[BLM15BD152SZ1D](#) [BLE18PS080SZ1D](#) [BLM21PG221BH1D](#) [WLBD1005HCU330TL](#) [BLM21AG471BH1D](#) [BLE18PS080BH1D](#)
[BLM21AG331BH1D](#) [BLM21PG300BH1D](#) [BLM21PG600BH1D](#) [BLM03HB401SZ1D](#) [BLM03HB401SN1D](#)