



深圳市佑驰电子有限公司

Specification for Approval

产品名称: 电感

规格型号: HCZH-3218-6R0M

产品编号:

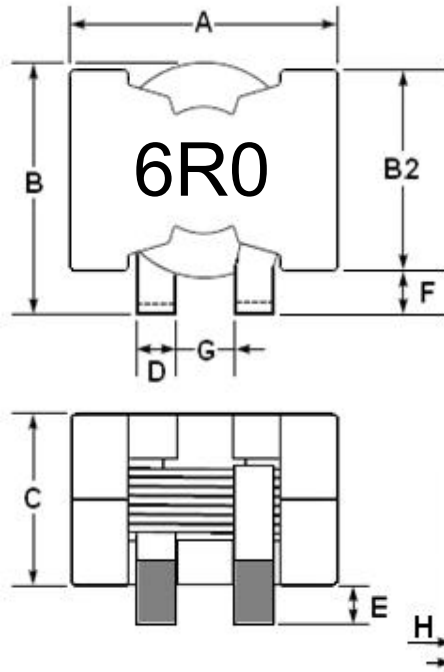
日期: 2020-08-15

- 1、本承认书的内容更改需经过双方确认，任一方单独的修改均视为无效。
- 2、本承认书在送达客户后，请给予承认并即签回，如无签回下订单的，我司有权以此承认书标准生产，并表示购买方默认许可。

	审核	制作

批准	审核	检验

PRODUCT DIMENSIONS (mm)



	Dimensions
A	33.5 Max
B	28.0 ±1.0
B2	23.0 Max
C	19.0 Max
D	6.0 ±0.3
E	4.0 ±1.0
F	4.0 Ref.
G	6.0 ±0.5
H	1.0 Ref.

底部不装纤维板

产品无需装纤维板！

EXPLANATION OF PART NUMBERS

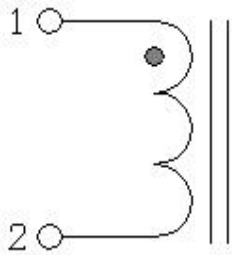
1	2	3	4	5	6	7	8	9	10	11	12	
H	C	Z	H	3	2	1	8	-	6	R	0	M
<u>Series Codes</u>				<u>Size Codes</u>				<u>Inductance Codes</u>				

ELECTRICAL CHARACTERISTICS

ITEM P/N	@ 25 ± 5°C Ambient Temperature			DCR mΩ @ 25°C Typical	DCR mΩ @ 25°C Max
	INDUCTANCE 100KHz, 0.1V	Typical Heat Rating DC Current (A) (Idc)	Typical Saturation DC Current (A) (Isat)		
	Lo (μH)				
HCZH3218-6R0M	6.0±20%	45.0	55.0	1.2	1.35

- ◎ All test Data is referenced to 25°C ambient.
- ◎ Typical Heat Rating DC Current would cause an approximately ΔT of 40°C.
- ◎ Typical Saturation DC Current would cause Lo to drop approximately 30%.
- ◎ The Part temperature (ambient + ΔT) should not exceed -30~125°C under worst case operating conditions.
- ◎ Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all effect the part temperature. Part temperature should be verified in the end application.

CONNECTIONS

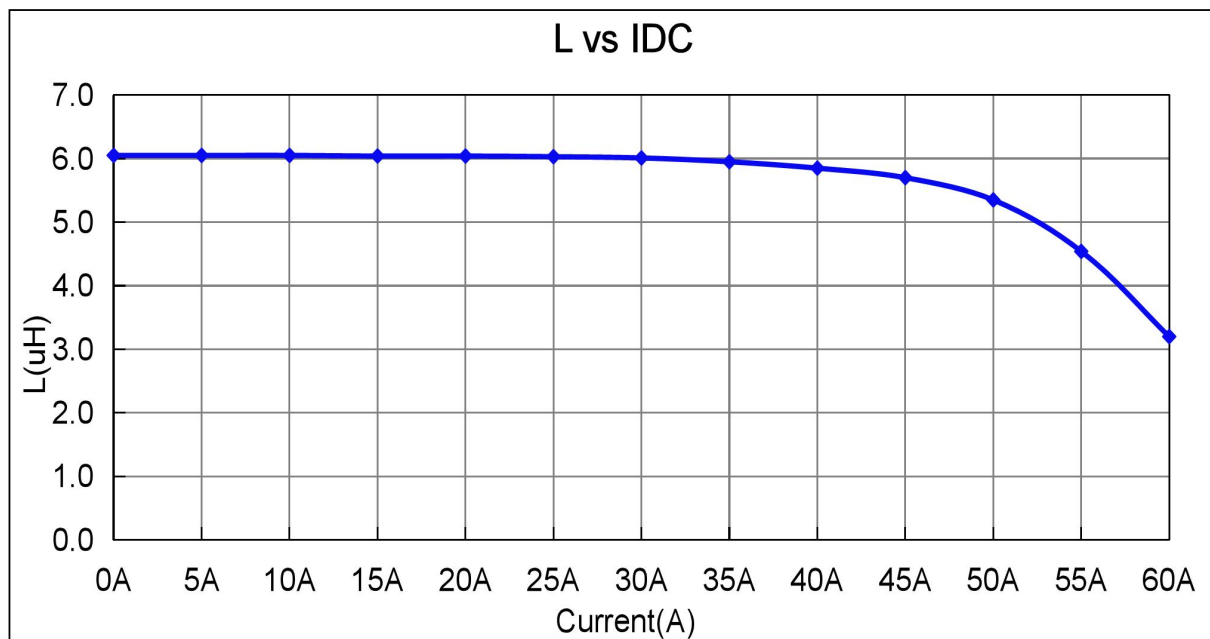


- ⊙ Inductor Contents ONE (1) Set(s) of Coil.
- ⊙ DC/AC Current Shall Be Introduced By Any One of Two Pads.

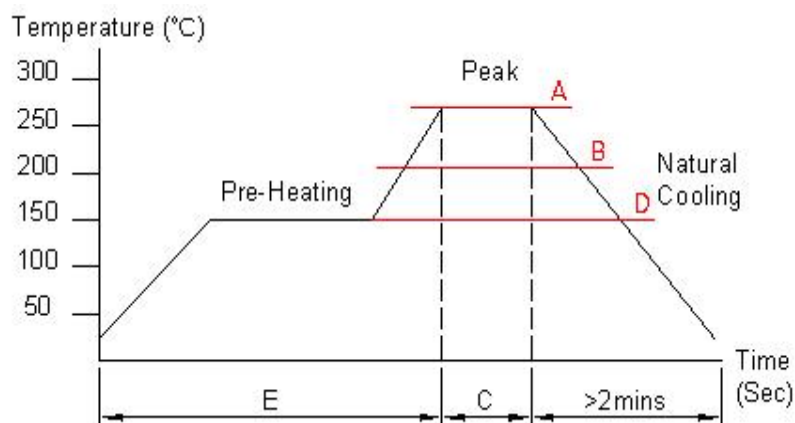
MARKING

- ⊙ See page 1.

PERFORMANCE CURVES



RECOMMENDED SOLDERING TEMP. GRAPH



A	260°C
B	230°C
C	10 Sec
D	150°C
E	60~240 Sec

MECHANICAL RELIABILITY

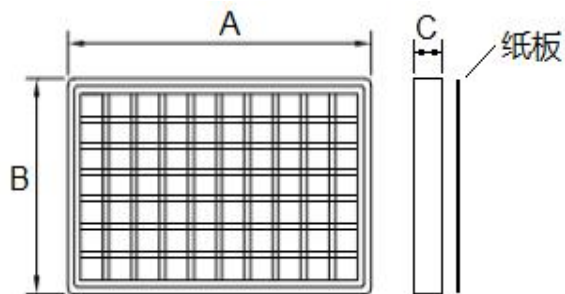
TEST	Specification & Requirement	Method Used
Solderability	The surface of terminal/pin tested shall be covered with new solder by 95%	Solder heat proof: Preheating: 180 ±10℃ 90 seconds Soldering: 255 ±5℃ for 3 ±1 sec
Shock	Inductance change within ± 5% Without mechanical damage	Drop down with 981m/s ² (100G) shock Attitude upon a rubber block method shock testing machinem, 3 tests.
Vibration	Inductance change within ± 5% Without mechanical damage	Vibration frequency: 10Hz to 55Hz to 10Hz, 60 seconds cycle Vibration time: 2 hours

ENDURANCE RELIABILITY

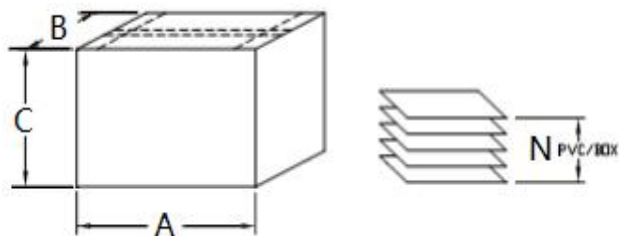
TEST	Specification & Requirement	Method Used
Thermal Shock	Inductance change within ± 5% Without mechanical damage	-25℃, (30 mins) -> room temp. (5 mins) -> 125℃, (30 mins) -> room temp. (5 mins) 100 cycles
Heat Resistance	Inductance change within ± 5% Without mechanical damage	Apply IDC current @ 85℃ ambient Duration: 1000 hrs
Humidity Resistance	Inductance change within ± 5% Without mechanical damage	Apply IDC current @ 60℃ ambient Humidity: 90~95% Duration: 1000 hrs
Low Temp. Storing	Inductance change within ± 5% Without mechanical damage	Storing Temp. -25 ±2 ℃ for total 1,000 +4/-0 hours
High Temp. Storing	Inductance change within ± 5% Without mechanical damage	Storing Temp. 125 ±2 ℃ for total 1,000 +4/-0 hours

PACKING MATERIALS Unit : (mm)

1. PET盘规格：322*202*24mm，每盘装28个。



2. 外箱规格：34*21.5*22cm，7PET盘装一箱，一箱装196个。



TEST DATA

SPEC No.	A (mm)	B (mm)	B2 (mm)	C (mm)	D (mm)	E (mm)	F (mm)	DCR Max(mΩ)	INDUCTANCE	
	33.5 Max	28.0 ±1.0	23.0 Max	19.0 Max	6.0 ±0.3	4.0 ±1.0	4.0 Ref.	1.35	Lo(uH)	55 A
1	32.20	28.08	22.05	18.20	5.95	3.58	7.00	1.20	6.02	Pass
2	32.15	27.90	22.02	18.19	5.98	3.62	6.95	1.22	6.05	Pass
3	32.18	28.15	21.98	18.06	5.97	3.59	6.89	1.21	5.92	Pass
4	32.10	27.98	21.95	18.08	5.96	3.75	7.05	1.19	5.98	Pass
5	32.25	27.95	22.06	18.10	5.95	3.80	6.75	1.20	5.95	Pass
6										
7										
8										
9										
10										
$\bar{X}$	32.18	28.01	22.01	18.13	5.96	3.67	6.93	1.20	5.98	
R	0.15	0.25	0.11	0.14	0.03	0.22	0.30	0.03	0.13	

© All test Data is referenced to 25°C ambient.