



深圳市佑驰电子有限公司

Specification for Approval

产品名称： 电感
规格型号： HCZC2915HT-3R3M
产品编号：
日期： 2021-1-14

- 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

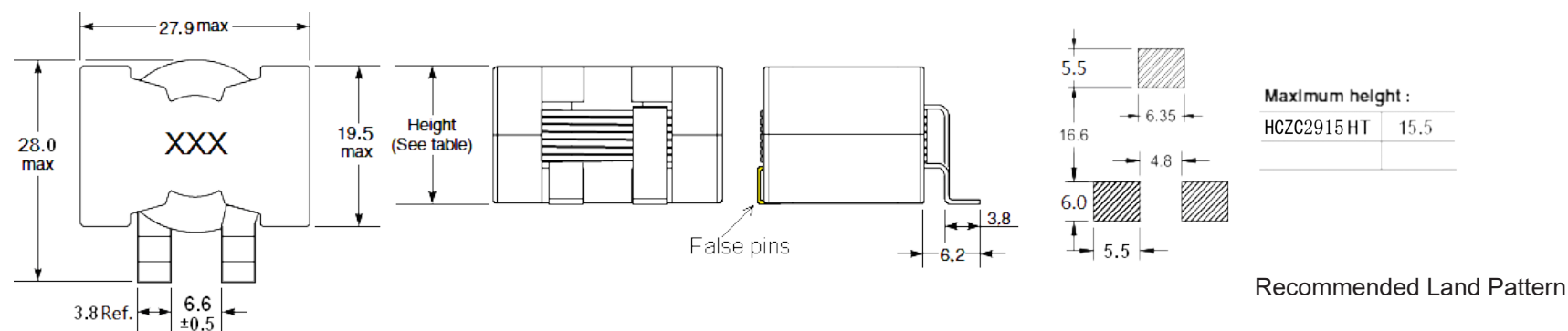
<http://www.szyouchi.com>

邮箱：chengjian@yc-ele.co

EXPLANATION OF PART NUMBERS



PRODUCT DIMENSIONS (mm)

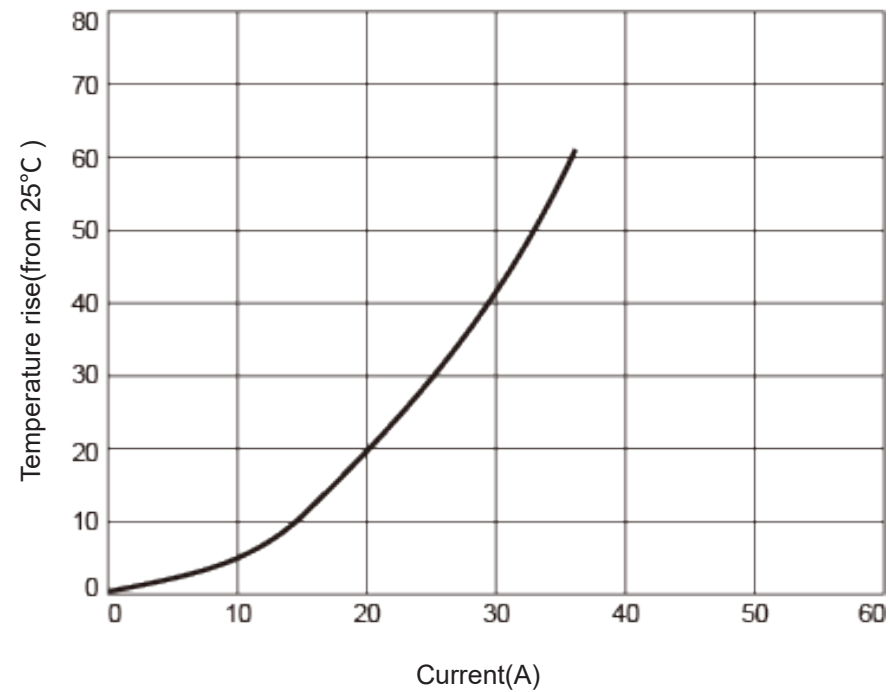


ELECTRICAL CHARACTERISTICS

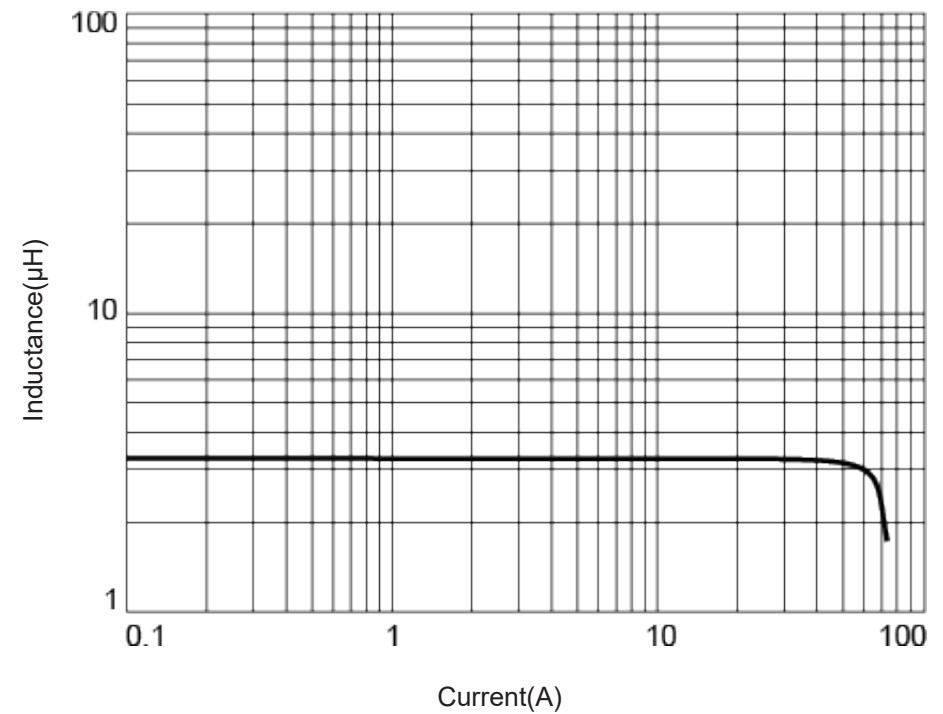
ITEM P/N	@ 25 ± 5°C Ambient Temperature			DCR mΩ @ 25°C Typica	DCR mΩ @ 25°C Max
	INDUCTANCE 100KHz, 0.1V	Typical Heat Rating DC Current (A) (Idc)	Typical Saturation DC Current (A) (Isat)		
	Lo (μH)				
HCZC2915HT-3R3M	3.3±20%	30.0	68.4	1.58	1.8

- ◎ All test Data is referenced to 25°C ambient.
- ◎ Irms: DC current(A) that will cause an approximate ΔT of 40°C .
- ◎ Isat: DC current(A) that will cause Lo to drop approximate 30%.
- ◎ Operating temperature range is -25°C to 125°C .
- ◎ The part temperature(ambient and temp rise) should not exceed 125°C under worse case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provision all affect the part temperature. Part temperature should be verified in the end application.
- ◎ Rights of changing product's design and specification are reserved, without prior notice.

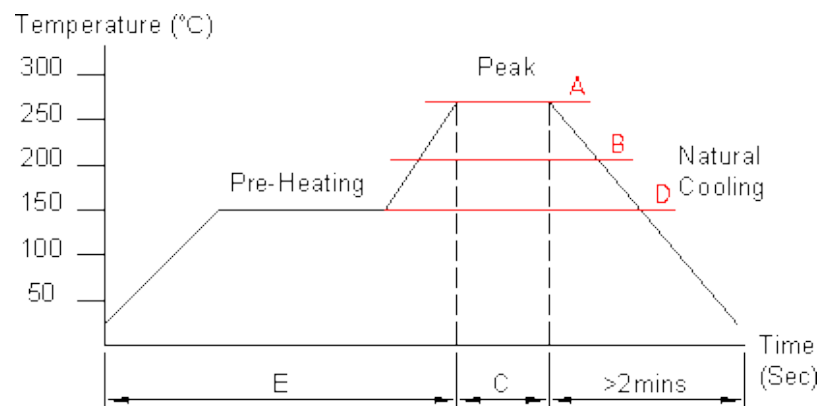
Temperature Rise vs. Current:



L vs Current:



RECOMMENDED SOLDERING TEMP. GRAPH



A	B	C	D	E
260°C	230°C	8-10Sec	150°C	60~240Sec

MECHANICAL RELIABILITY

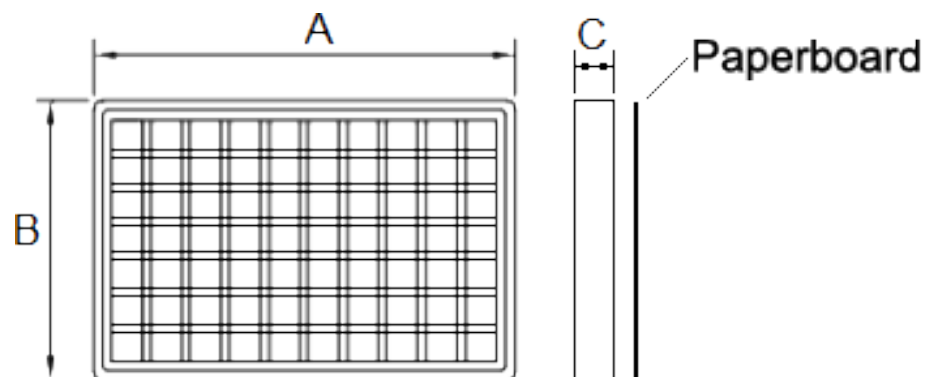
TEST	Specification & Requirement	Method Used
Solderability	The surface of terminal/pin tested shall be covered with new solder by 95%	Solder heat proof.
		Preheating: 180 ± 10°C 90 seconds
		Soldering: 255 ± 5°C for 3 ± 1 sec
Shock	Inductance change within ± 5% Without mechanical damage	Drop down with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

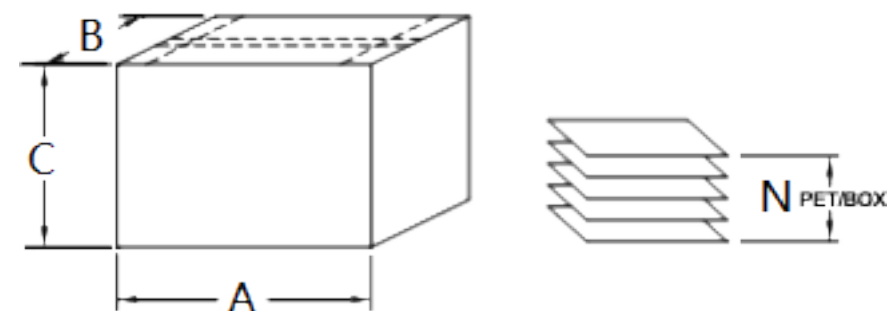
TEST	Specification & Requirement	Method Used
Thermal Shock	Inductance change within ± 5% Without mechanical damage	-25°C, (30 mins) -> room temp. (5 mins) -> 125°C, (30 mins) -> room temp. (5 mins) 100 cycles
Heat Resistance	Inductance change within ± 5% Without mechanical damage	Apply IDC current @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

Packing Information:(unit: mm)

1.PET plate specification: 322*202*24mm,35pcs/PET Box



2.Outer box specification: 340*215*220mm,
8 PET plate in one box



Series Name and Note	Plastic Plate(mm)	Outer Box(mm)
HCZC2915HT(带假脚)	35pcs/PET Box	280pcs/Box