

SPECIFICATION FOR APPROVAL

承 認 書

CUSTOMER

客戶名稱：

NUMBER

編號： LH2918-068

PART NO.

品 名： CPQ2918-6R8M

QUANTITY

數量： 10PCS

DESCRIPTION

型 號： High Current Power Inductor

DATE

日期： 2024-08-08

CUSTOMER PART NO.

客戶料號：

NOTE

注解：

APPROVAL SIGNATURE

客戶承認簽章

Approved By 核 准	Checked By 审 查	Drawn By 制 作
李 庆 辉	苏 高 峰	劳 水 花

深圳市柯爱亚电子有限公司

Shenzhen Ceaiya Electronics Co., Ltd.

深圳地址： 深圳市龙华区观湖街道鹭湖社区观盛二路 5 号捷顺科技中心 B706

东莞地址： 东莞清溪镇青滨东路 105 号力合紫荆智能制造中心 10 栋一单元

Http://www.szceaiya.com Tel: 0769-89333213



SPECIFICATIONS

TYPE:

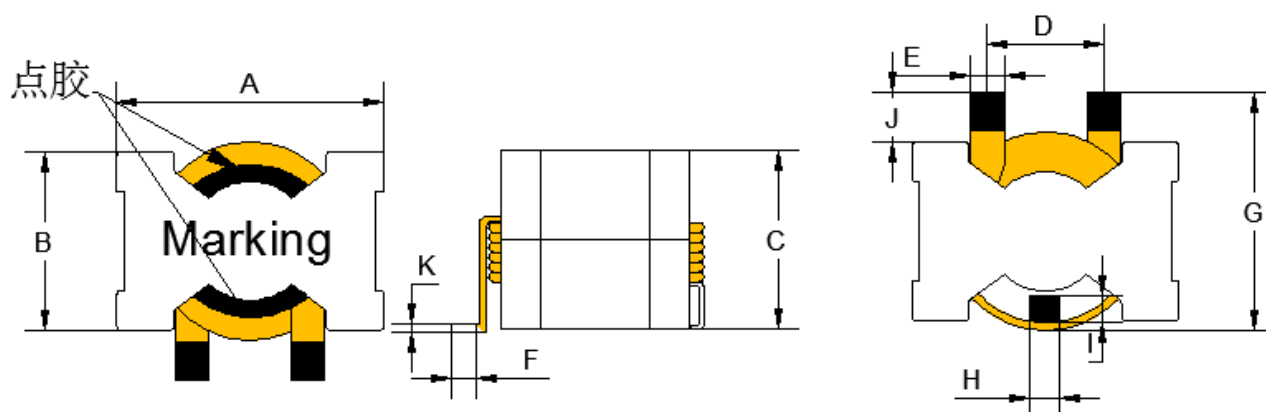
CPQ2918-6R8M

1. Scope

This specification apply for CPQ2918 of power inductors

2. Appearance

2-1.Dimensions(mm)



A	B	C	D	E	F	G	H	I	J	K
28.0Max	19.4Max	18.5Max	11.0±0.5	3.8±0.3	3.8Min	27.0Max	3.1 Ref	2.8 Ref	6.5±1.0	0.8Ref.

3. Coils Specification

3-1. Connection (Bottom View)



“S” is winding start



3-2. Electrical characteristics

Part number 料号	Inductance 电感量 uH	DC resistance 直流电阻 mΩ	DC saturation current 直流饱和电流 A typ.	Temperature rise current 温升电流 A max.
CPQ2918-6R8M	6.8±20%	2.4 ± 10%	44.6 (ΔL≤30%)	28 (ΔT≤50℃)

Remark

- ※ Inductance is measured with a LCR meter 4284A or equivalent.
Test frequency at 100kHz/0.1V
- ※ DC resistance is measured with 16502 Milliohm Meter, or equivalent.
Reference ambient temperature 25℃

Note :

Spec. No.

LH2918-068

2/3

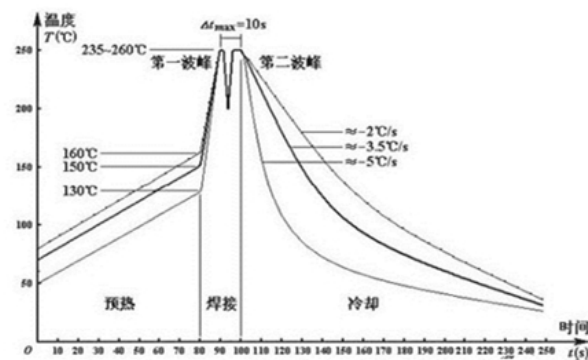
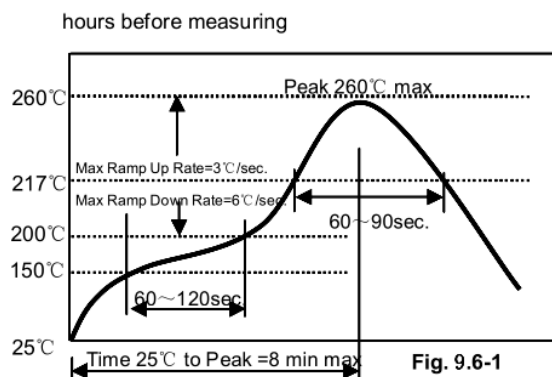
SPECIFICATIONS

TYPE:

CPQ2918-6R8M

4. Recommended reflow condition

推荐波峰焊曲线



5. Sample Test Data

TEST ITEM	L uH	DCR mΩ	L _{+44.6A} uH				
CONDITION	100KHz/0.1V	At 25°C	100KHz/0.1V				
SPEC	6.8±20%	2.4mΩ±10%	$\Delta L/L_0 \leq 30\%$				
1	6.81	2.33	24.3%				
2	6.75	2.33	25.6%				
3	6.79	2.33	23.9%				
4	6.76	2.33	20.2%				
5	6.78	2.34	23.4%				
X							
判定结果	OK	OK	OK				
REMARK:							
APPROVED BY 李庆辉		CHECKED BY 苏高峰		DRAWN BY 劳水花			

Note :

Spec. No.

LH2918-068

3/3