

东莞市天瑞电子有限公司  
Dongguan Tianrui Electronics Co., Ltd.

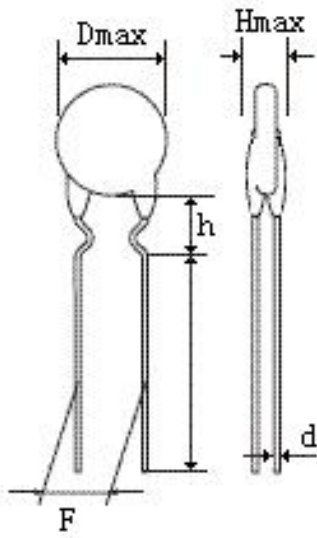
# 承认书

## Specification For Approval

Name	PTC Thermistor
P/N	MZ126A
Date	2018-12-24

客户确认栏	
承认	批准

一、 Overall Dimension



Dmax	10mm
Hmax	5mm
F	5mm
d	$\Phi 0.5\text{mm}$
h	4mm

二、 Coating

Material	Color
<input type="checkbox"/> Phenolic Resin	<input checked="" type="checkbox"/> Green
<input checked="" type="checkbox"/> Silicone Resin	<input type="checkbox"/> Yellow
	<input type="checkbox"/> Black
	<input type="checkbox"/> Grey

三、 Lead Shape

- In-forming                       Side Bent                       Straight

四、 Marking

PTC  
MZ126A

五、 Package

Bulk plastic bags for inner packaging  
Carton for outer packaging

## 五、Electrical Performance

No.	Item	Requirements	Test condition and method
5.1	Nominal resistance value	$12\Omega \pm 30\%$	Under the condition of $25^{\circ}\text{C}$ , the DC resistance value of the thermistor measured with sufficiently low power consumption.
5.2	Working current (No action current)	$25^{\circ}\text{C}$ /170mA $60^{\circ}\text{C}$ /130mA No action for 60 minutes	Connect an ammeter in series with the test loop, then keep the product at a specified temperature ( $25^{\circ}\text{C}$ ), apply a specified current (140mA) and voltage (220V), and observe the current change displayed by the ammeter within a specified time.
5.3	Operating current (Protection current)	$25^{\circ}\text{C}$ 340mA <300 seconds action	Connect an ammeter in series with the test circuit, then keep the product at a specified temperature ( $25^{\circ}\text{C}$ ), apply a specified current (340mA) and voltage (220V), and observe the current change displayed by the ammeter within a specified time.
5.4	Withstand current capability (Maximum current)	2.0A $\Delta R/R_n \leq 20\%$	The power supply voltage is 220VAC, the current is 2.0A, and the power is turned on for one minute and the power is cut off for ten minutes. The resistance change rate does not exceed the requirements.
5.5	Withstand voltage	$\geq 270\text{V}$ $\Delta R/R_n \leq 20\%$	Apply the specified maximum voltage to the sample, and the resistance change rate does not exceed the specified value.

## 六、 Mechanical behavior

No.	Item	Test Method	Technical Requirements
6.1	Terminal strength	Experiment according to GB2423-29 u experiment	No mechanical damage
6.2	Vibration test	Vibration frequency is 10Hz-55 Hz-10 Hz; simple harmonic vibration with amplitude of 0.75. According to 4.16 in GB10193-88	No mechanical damage
6.3	Solderability	According to GB2423-28 Test Ta, the welding bath method is used, the temperature is $230\pm 5^{\circ}\text{C}$ ; the immersion time is $5\pm 0.5$ seconds; the immersion depth is $2\pm 0.5\text{mm}$ .	There is at least 95% continuous new solder on the terminal