东莞市安伏特电子有限公司

**Dongguan Ampfort Electronics Co., Ltd.**

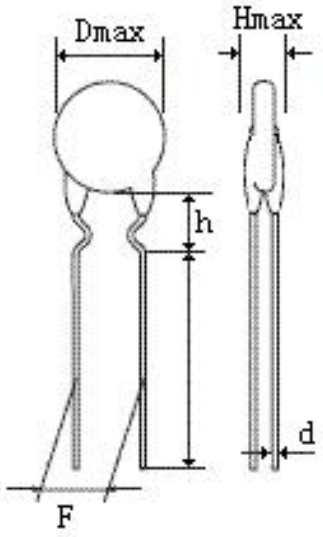
# 承认书

# 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 | Φ0.5mm |
| h | 4mm |

## 二、 Coating

| Material | Color |
|---|---|
| □Phenolic Resin<br>■Silicone Resin | ■Green<br>□Yellow<br>□Black<br>□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 | 12Ω±30% | Under the condition of 25℃, the DC resistance value of the thermistor measured with sufficiently low power consumption. |
| 5.2 | Working current (No action current) | 25℃ /170mA<br>60℃ /130mA<br>No action for 60 minutes | Connect an ammeter in series with the test loop, then keep the product at a specified temperature (25°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℃ 340mA<br>＜300 seconds action | Connect an ammeter in series with the test circuit, then keep the product at a specified temperature (25°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<br>ΔR/Rn≤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 | ≥270V<br>ΔR/Rn≤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±5℃; the immersion time is 5±0.5 seconds; the immersion depth is 2±0.5mm. | There is at least 95% continuous new solder on the terminal |