

Please be sure to read these general terms of use, before using this product.

PTGL09ARR33M1B51A0

[Thermistors](#) > [PTC Thermistors \(POSISTOR®\)](#) > [PTC for Overcurrent Protection](#)

In Production Recommended ?

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[Thermistors FAQ](#)

Product News

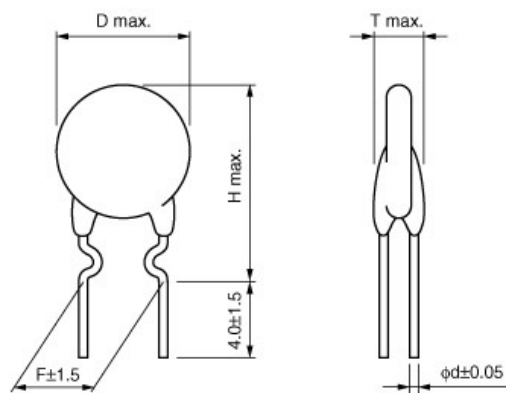


7/24/2017
Commercialization of a new type of NTC thermistor with flexible leads and faster thermal response



3/28/2017
A PTC thermistor for the 1608 size heater – the smallest class in the industry “Micro-heater” – an ultra-miniature ceramic heater

Appearance & Shape



(in mm)

Specifications

| | |
|-----------------------------------|------------|
| Max. Voltage | 16V |
| Hold Current | 680mA |
| Measure Condition of Hold Current | (at +60°C) |

| | |
|---------------------------------------|---------------|
| Hold Current (2) | 875mA |
| Measure Condition of Hold Current (2) | (at +25°C) |
| Trip Current | 1625mA |
| Measure Condition of Trip Current | (at +25°C) |
| Trip Current(2) | 1900mA |
| Measure Condition of Trip Current(2) | (at -10°C) |
| Max. Current | 7A |
| Resistance (25°C) | 0.33Ω |
| Resistance Value Tolerance (at 25°C) | ±20% |
| Power Consumption(typ) | 1.7W |
| Operating Temperature Range | -10°C to 60°C |
| D: Outer Dimension | 9mm |
| Thickness | 3.5mm |
| H: Height | 14mm |
| F: Lead Space | 5mm |
| d: Lead Diameter | 0.6mm |
| Shape | Lead |
| Mass | 0.5g |



10/22/2014

Murata announces mass production of low profile flexible film temperature sensors ideal for wearable products

>

See all related news

>

Features

1. Best suited to meet the requirements for power supplies and motor protection. Error-free operation is assured by rush current.
 2. Circuit is protected until current is turned off.
 3. Restores the original low resistance value automatically once the overload is removed.
 4. Non-contact design leads to long life and no noise.
- Durable and strong against mechanical vibration and shock because it is a solid element.

Applications

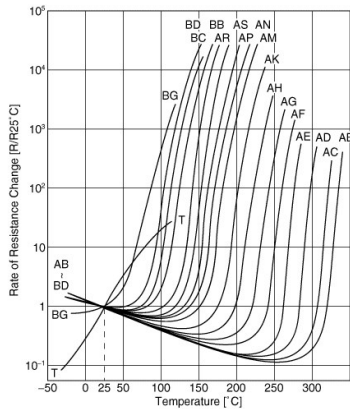
| | |
|---------------|----------------|
| Limited Usage | Consumer Grade |
|---------------|----------------|

Packaging Information

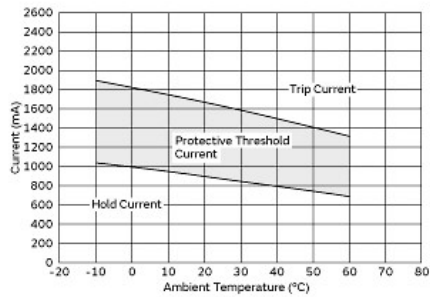
| Packaging | Specifications | Minimum Order Quantity |
|-----------|----------------|------------------------|
| A0 | Ammo Pack | 2000 |



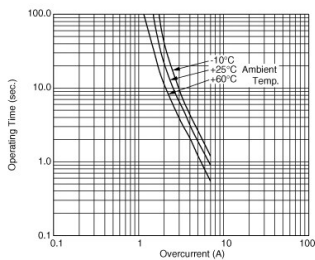
Product Data



Resistance-Temperature Charac.



Protective Threshold Current Range



Operating Time (Typical Curve)

Products

Capacitor Inductors Noise Suppression Products / EMI Suppression Filters / ESD Protection Devices Resistors Thermistors Sensors

Timing Devices (Ceramic Resonator / Crystal Unit / Oscillator) Quartz Devices Sound Components (Buzzer) Power Devices Small Energy Devices

Micro Mechatronics RFID/NFC MetroCirc™ (Multilayer Resin Substrate) Matching Devices Balun Coupler Filters SAW Components Phase Shifter

RF Switch Front End Module Connectors Antennas Isolators RF Modules Wireless Connectivity Platforms Ultra Low power Short Range RF-IC

LTCC Multilayer Substrates Ionizers / Active Oxygen Module (Ozonizers)

Applications

Smarthome Healthcare Automotive Mobile Communication Network Data Center Lighting Industrial Equipment White Goods

Personal Computers Business Machine AV Security & Safety

Design Tools

Video Presentation of Design Tools

Support
Downloaded from [Arrow.com](https://www.arrow.com)

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EU RoHS / REACH

Approach for chemical regulation for Murata Products.

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