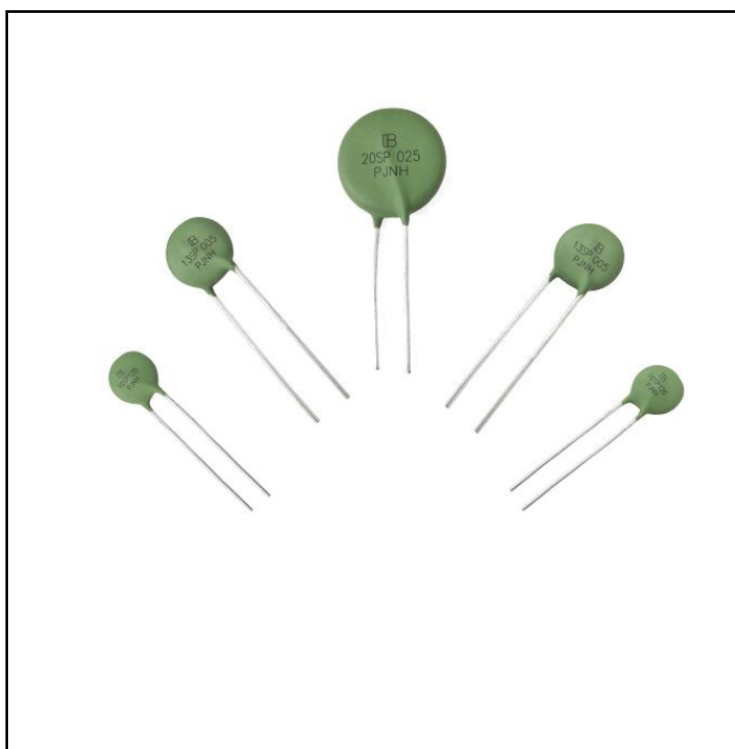


## FEATURES

- Effective restrain surge
- Low power loss under the stable state
- Over-current wide control range and fast response
- Thermal and electrical characteristics with high stability
- Wide range of electrical specifications

## RS PRO Protection NTC Thermistor 5Ω, 13 (Dia.) x 6mm

RS Stock No.: 516-7833



## Protection NTC Thermistor

RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

### Product Description

A range of PCB mounting metal oxide ceramic inrush current suppressors which when cold at initial switch on, present a high series resistance and limit current flow  
As the devices warm the resistance progressively reduces to allow normal current to flow  
The device quickly cools and returns to high resistance when the power is switched off  
Suitable for switched mode power supplies, small electric motors, filament lamps, transformers etc

### General Specifications

<b>Model Number</b>	N13SP005M
<b>Style</b>	Disc Type Thermistor (Negative Temperature Coefficient)

### Mechanical Specifications

<b>Material of coating</b>	Silicone
<b>Colour of coating</b>	Green
<b>Material of lead wire</b>	Cu, Fe, Sn

### Electrical Specifications

<b>Zero Power Resistance at 25°C</b>	5 Ω	
<b>Maximum Steady State Current at 25°C</b>	5 A	
<b>Residual Resistance at 25°C I<sub>max</sub> (R<sub>I<sub>max</sub></sub>)</b>	0.150 Ω	
<b>Typical value</b>	<b>Thermal Time Constant</b>	93s
	<b>Thermal Dissipation Constant</b>	17mW/°C
<b>Recommend Capacitance 240Vac</b>	430 μF	
<b>Maximum Steady Power</b>	3.0 W	
<b>Operating Temperature Range</b>	-40~+200 °C	

## Protection NTC Thermistor



UL	Yes
----	-----

TUV	Yes
-----	-----

### Protection Category

IP Protection	N/A
---------------	-----

### Additional Information

EAN	N/A
Custom Tariff Number	N/A

### Classification

eCl@ss (Version)	N/A
UNSPSC (Version)	N/A

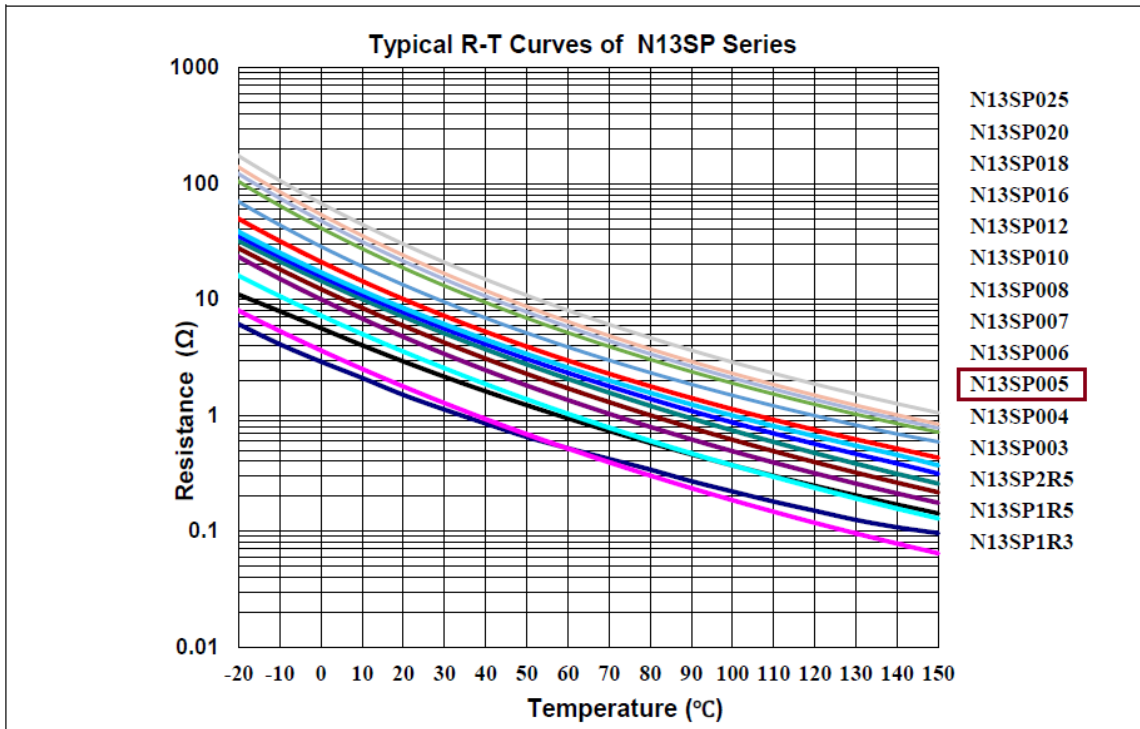
### Approvals

Declarations	N/A
Hazardous Area Certification	N/A
Standards Met	IEC 60068

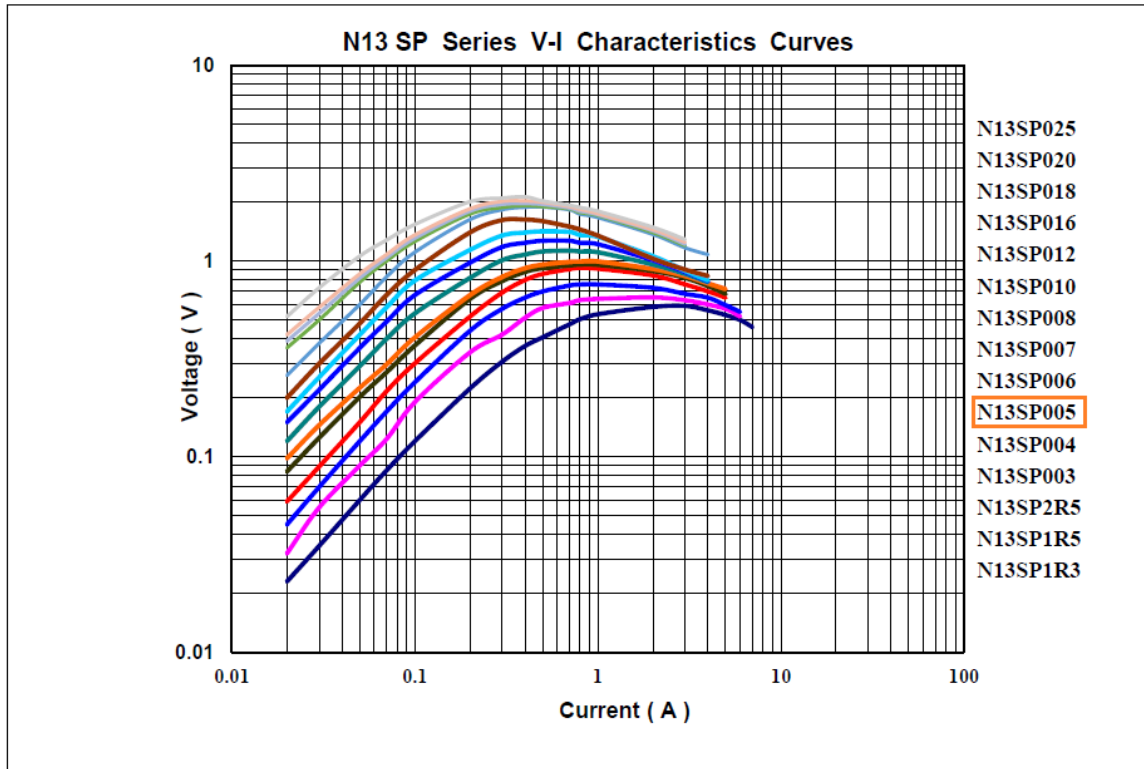
### Similar Products

Stock No.	Brand	Product Name	Attribute 1	Attribute 2	Attribute 3
516-7811	RS PRO	Thermistor 8Ω, 13 (Dia.) x 6mm			

## Resistance- Temperature Characteristic Curves



## V-I Characteristic Curves



## Protection NTC Thermistor



---

Connection Diagrams / Assembly Diagrams / Illustrations / Accessories