



# **AMETHERM**

***Circuit Protection Thermistors***

## **ACCURATE AND CUSTOMIZABLE NTC THERMISTORS**

For temperature control, sensing and compensation

800-808-2434 • [www.ametherm.com](http://www.ametherm.com)

# Precision.

## TEMPERATURE SENSING, COMPENSATION AND CONTROL WITH AMETHERM NTC THERMISTORS

Ametherm NTC thermistors are manufactured from a specially-formulated metal oxide ceramic material that is extremely accurate in sensing temperature. Same high quality material is used in wide variety of housings and leaded parts for various applications such as:

HVAC • Refrigeration • Floor Heating • Surface Temperature Measurement • Corrosive Environments

### PART NUMBERING SYSTEM

| P              | A                 | N              | E                | 1               | 0                           | 3 | 3                 | 9   | 5      | J                         | X   | X           | X |
|----------------|-------------------|----------------|------------------|-----------------|-----------------------------|---|-------------------|-----|--------|---------------------------|-----|-------------|---|
| ↓              | ↓                 | ↓              | ↓                | ↓               | ↓                           | ↓ | ↓                 | ↓   | ↓      | ↓                         | ↓   | ↓           | ↓ |
| PART LETTERING | PROBE ASSEMBLY    | PART LETTERING | LEADED NTC       | R <sub>25</sub> |                             |   | B <sub>0/50</sub> |     |        | R <sub>25</sub> TOLERANCE |     | CUSTOM PART |   |
| PANE           | Epoxy             | NT03           | Disc (3mm dia)   | 202             | 20x10 <sup>2</sup> = 2 KΩ   |   |                   | 350 | 3500°K | None                      | 10% |             |   |
| PANR           | Ring Lug          | NT05           | Disc (5mm dia)   | 103             | 10x10 <sup>3</sup> = 10 KΩ  |   |                   | 375 | 3750°K | J                         | 5%  |             |   |
| PANH           | Steel Tube        | CT02           | Chip (2mm width) | 253             | 25x10 <sup>3</sup> = 25 KΩ  |   |                   | 395 | 3950°K | H                         | 3%  |             |   |
| PANT           | Threaded          |                |                  | 254             | 25x10 <sup>4</sup> = 250 KΩ |   |                   | 410 | 4110°K | G                         | 2%  |             |   |
| PANW           | Threaded with tip |                |                  |                 |                             |   |                   | 450 | 4500°K | F                         | 1%  |             |   |

## PANE Series - Probe Assembly / Epoxy

### DESCRIPTION

- Epoxy dip coated NTC thermistor, soldered between jacketed Teflon / PVC wires

### FEATURES

- Fast response, with high accuracy (to ±1%) for temperature sensing
- Small dimensions allow easy installation
- Point or Curve matched
- Customizable for your needs
- Cost effective

### APPLICATIONS

- Motors
- Air Sensors / HVAC
- Transformers
- Heat Sinks
- Automotive



### ELECTRICAL SPECS

| PANE Part Number | R <sub>25</sub> KΩ | R-T Curve | Beta (K) | Dissipation Constant (mW/°C) | Thermal Time Constant (sec) | Max Power (mW) |
|------------------|--------------------|-----------|----------|------------------------------|-----------------------------|----------------|
| PANE501350       | 0.5                | M         | 3500     | 3.0                          | 10.0                        | 125            |
| PANE102350       | 1.0                | M         | 3500     | 3.0                          | 10.0                        | 125            |
| PANE202395       | 2.0                | L         | 3950     | 3.0                          | 10.0                        | 125            |
| PANE302395       | 3.0                | L         | 3950     | 3.0                          | 10.0                        | 125            |
| PANE502395       | 5.0                | L         | 3950     | 3.0                          | 10.0                        | 125            |
| PANE103395       | 10.0               | L         | 3950     | 3.0                          | 10.0                        | 125            |
| PANE253410       | 25.0               | R         | 4111     | 3.0                          | 10.0                        | 125            |
| PANE503410       | 50.0               | R         | 4111     | 3.0                          | 10.0                        | 125            |
| PANE104450       | 100.0              | S         | 4500     | 3.0                          | 10.0                        | 125            |
| PANE254450       | 250.0              | S         | 4500     | 3.0                          | 10.0                        | 125            |

### MECHANICAL SPECS

| Letter / Dimensions          | Std. Part (mm) |
|------------------------------|----------------|
| A / Dia. of part             | 3.0 ± 0.5      |
| B / Length of tip            | 5.5 ± 0.5      |
| C / Length of leads          | 152.4 ± 7.0    |
| d / Length of strip          | 5.0 ± 0.5      |
| 28AWG Teflon wire            |                |
| -55°C – 150°C Operating Temp |                |



# PANR Series - Probe Assembly / Ring Lug

## DESCRIPTION

- Epoxy coated NTC thermistor, potted in tinned copper ring lug

## FEATURES

- Ideal for surface temperature sensing
- Rugged
- Point or Curve matched
- Customizable for your needs
- Cost effective

## APPLICATIONS

- Surface Temperature Sensing
- Heat Sinks
- Pipes
- Refrigeration

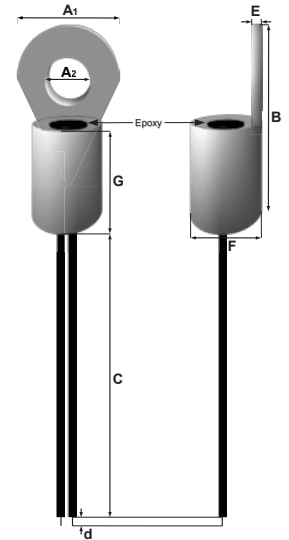


### ELECTRICAL SPECS

| PANR Part Number | $R_{25}$ K $\Omega$ | R-T Curve | Beta (K) | Dissipation Constant (mW/°C) | Thermal Time Constant (sec) | Max Power (mW) |
|------------------|---------------------|-----------|----------|------------------------------|-----------------------------|----------------|
| PANR501350       | 0.5                 | M         | 3500     | 3.0                          | 40                          | 125            |
| PANR102350       | 1.0                 | M         | 3500     | 3.0                          | 40                          | 125            |
| PANR202395       | 2.0                 | L         | 3950     | 3.0                          | 40                          | 125            |
| PANR302395       | 3.0                 | L         | 3950     | 3.0                          | 40                          | 125            |
| PANR502395       | 5.0                 | L         | 3950     | 3.0                          | 40                          | 125            |
| PANR103395       | 10.0                | L         | 3950     | 3.0                          | 40                          | 125            |
| PANR253410       | 25.0                | R         | 4111     | 3.0                          | 40                          | 125            |
| PANR503410       | 50.0                | R         | 4111     | 3.0                          | 40                          | 125            |
| PANR104450       | 100.0               | S         | 4500     | 3.0                          | 40                          | 125            |
| PANR254450       | 250.0               | S         | 4500     | 3.0                          | 40                          | 125            |

### MECHANICAL SPECS

| Letter / Dimensions          | Std. Part (mm)  |
|------------------------------|-----------------|
| A1 / Outer Dia. of lug       | 9.5 $\pm$ 0.3   |
| A2 / Inner Dia. of lug       | 4.4 $\pm$ 0.3   |
| B / Length of lug            | 18.6 $\pm$ 0.5  |
| C / Length of leads          | 152.4 $\pm$ 7.0 |
| d / Length of strip          | 5.0 $\pm$ 0.5   |
| E / Thickness of Lug         | 1.0 $\pm$ 0.2   |
| F / Outer Dia. of barrel     | 5.5 $\pm$ 0.2   |
| G / Length of barrel         | 6.5 $\pm$ 0.3   |
| 28AWG Teflon wire / #6 Lug   |                 |
| -55°C – 150°C Operating Temp |                 |



# PANH Series - Probe Assembly / closed end metal tubing

## DESCRIPTION

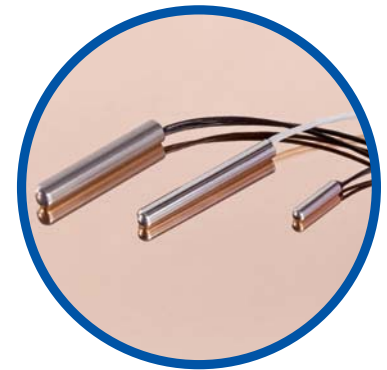
- NTC thermistor inside durable stainless steel alloy tube, epoxy filled

## FEATURES

- Environmental protection
- Humidity resistant
- Fast response, with high accuracy (to  $\pm 1\%$ ) for temperature sensing
- Rugged construction
- Cost effective

## APPLICATIONS

- Floor Heating
- HVAC
- Industrial
- Evaporator
- Refrigeration

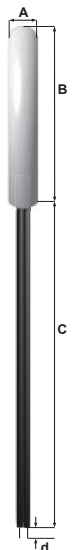


### ELECTRICAL SPECS

| PANH Part Number | $R_{25}$ K $\Omega$ | R-T Curve | Beta (K) | Dissipation Constant (mW/°C) | Thermal Time Constant (sec) | Max Power (mW) |
|------------------|---------------------|-----------|----------|------------------------------|-----------------------------|----------------|
| PANH501350       | 0.5                 | M         | 3500     | 5.0-10.0                     | 10.0                        | 125            |
| PANH102350       | 1.0                 | M         | 3500     | 5.0-10.0                     | 10.0                        | 125            |
| PANH202395       | 2.0                 | L         | 3950     | 5.0-10.0                     | 10.0                        | 125            |
| PANH302395       | 3.0                 | L         | 3950     | 5.0-10.0                     | 10.0                        | 125            |
| PANH502395       | 5.0                 | L         | 3950     | 5.0-10.0                     | 10.0                        | 125            |
| PANH103395       | 10.0                | L         | 3950     | 5.0-10.0                     | 10.0                        | 125            |
| PANH253410       | 25.0                | R         | 4111     | 5.0-10.0                     | 10.0                        | 125            |
| PANH503410       | 50.0                | R         | 4111     | 5.0-10.0                     | 10.0                        | 125            |
| PANH104450       | 100.0               | S         | 4500     | 5.0-10.0                     | 10.0                        | 125            |
| PANH254450       | 250.0               | S         | 4500     | 5.0-10.0                     | 10.0                        | 125            |

### MECHANICAL SPECS

| Letter / Dimensions          | Std. Part (mm) |            |
|------------------------------|----------------|------------|
|                              | PANH1          | PANH2      |
| A / Dia. of part             | 3.7 ± 0.5      | 6.3 ± 0.5  |
| B / Length of tip            | 15.0 ± 2.0     | 30.0 ± 4.0 |
| C / Length of leads          | 152.4 ± 7.0    |            |
| d / Length of strip          | 5.0 ± 7.0      |            |
| 28AWG Teflon wire            |                |            |
| -55°C – 150°C Operating Temp |                |            |



# PANT Series - Probe Assembly / threaded tip & hex

## DESCRIPTION

- NTC thermistor potted inside aluminum hex screw with straight threads

## FEATURES

- Ideal for temperature sensing, measurement and compensation where screwing is necessary
- Fast response, with high accuracy (to  $\pm 1\%$ )
- Rugged construction
- Cost effective

## APPLICATIONS

- Heating & Cooling systems
- HVAC
- Industrial
- Laboratory
- Heat Sinks
- Chassis mounting

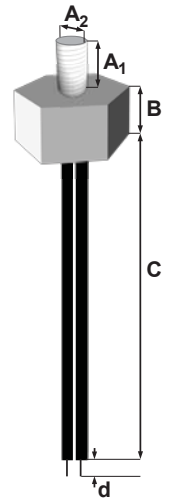


### ELECTRICAL SPECS

| PANT Part Number | $R_{25}$ K $\Omega$ | R-T Curve | Beta (K) | Dissipation Constant (mW/ $^{\circ}$ C) | Thermal Time Constant (sec) | Max Power (mW) |
|------------------|---------------------|-----------|----------|-----------------------------------------|-----------------------------|----------------|
| PANT501350       | 0.5                 | M         | 3500     | 6.0                                     | 70.0                        | 125            |
| PANT102350       | 1.0                 | M         | 3500     | 6.0                                     | 70.0                        | 125            |
| PANT202395       | 2.0                 | L         | 3950     | 6.0                                     | 70.0                        | 125            |
| PANT302395       | 3.0                 | L         | 3950     | 6.0                                     | 70.0                        | 125            |
| PANT502395       | 5.0                 | L         | 3950     | 6.0                                     | 70.0                        | 125            |
| PANT103395       | 10.0                | L         | 3950     | 6.0                                     | 70.0                        | 125            |
| PANT253410       | 25.0                | R         | 4111     | 6.0                                     | 70.0                        | 125            |
| PANT503410       | 50.0                | R         | 4111     | 6.0                                     | 70.0                        | 125            |
| PANT104450       | 100.0               | S         | 4500     | 6.0                                     | 70.0                        | 125            |
| PANT254450       | 250.0               | S         | 4500     | 6.0                                     | 70.0                        | 125            |

### MECHANICAL SPECS

| Letter / Dimensions                                | Std. Part (mm)  |
|----------------------------------------------------|-----------------|
| A1 / Length of thread                              | $6.0 \pm 0.5$   |
| A2 / Dia. of thread                                | $3.2 \pm 0.5$   |
| B / Hex nut thickness                              | $9.3 \pm 0.5$   |
| C / Length of leads                                | $152.4 \pm 7.0$ |
| d / Length of strip                                | $5.0 \pm 0.5$   |
| 28AWG Teflon wire                                  |                 |
| -55 $^{\circ}$ C – 150 $^{\circ}$ C Operating Temp |                 |



# PANW Series - Probe Assembly / threaded metal tubing & hex

## DESCRIPTION

- NTC thermistor potted at the tip of durable stainless steel alloy tube, with tapered thread hex screw

## FEATURES

- Tapered threads will pull tight for a fluid-tight seal
- Ideal for extreme conditions such as corrosive environments
- Fast response, with high accuracy (to  $\pm 1\%$ ) due to the potting of thermistor at the very tip of the assembly

## APPLICATIONS

- Appliance temp measurements such as conventional ovens and microwaves
- Spas, hot tub

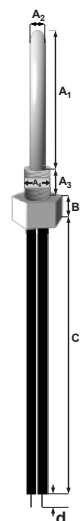


### ELECTRICAL SPECS

| PANW Part Number | $R_{25}$ K $\Omega$ | R-T Curve | Beta (K) | Dissipation Constant (mW/ $^{\circ}$ C) | Thermal Time Constant (sec) | Max Power (mW) |
|------------------|---------------------|-----------|----------|-----------------------------------------|-----------------------------|----------------|
| PANW501350       | 0.5                 | M         | 3500     | 10.0                                    | 25.0                        | 6.5            |
| PANW102350       | 1.0                 | M         | 3500     | 10.0                                    | 25.0                        | 6.5            |
| PANW202395       | 2.0                 | L         | 3950     | 10.0                                    | 25.0                        | 6.5            |
| PANW302395       | 3.0                 | L         | 3950     | 10.0                                    | 25.0                        | 6.5            |
| PANW502395       | 5.0                 | L         | 3950     | 10.0                                    | 25.0                        | 6.5            |
| PANW103395       | 10.0                | L         | 3950     | 10.0                                    | 25.0                        | 6.5            |
| PANW253410       | 25.0                | R         | 4111     | 10.0                                    | 25.0                        | 6.5            |
| PANW503410       | 50.0                | R         | 4111     | 10.0                                    | 25.0                        | 6.5            |
| PANW104450       | 100.0               | S         | 4500     | 10.0                                    | 25.0                        | 6.5            |
| PANW254450       | 250.0               | S         | 4500     | 10.0                                    | 25.0                        | 6.5            |

### MECHANICAL SPECS

| Letter / Dimensions                                | Std. Part (mm)  |
|----------------------------------------------------|-----------------|
| A1 / Length of tip                                 | $37.0 \pm 0.5$  |
| A2 / Dia. of tip                                   | $5.0 \pm 0.5$   |
| A3 / Length of thread                              | $10.0 \pm 0.25$ |
| A4 / Dia. of thread                                | $9.5 \pm 0.5$   |
| B / Hex nut thickness                              | $6.0 \pm 0.5$   |
| C / Length of leads                                | $152.4 \pm 7.0$ |
| d / Length of strip                                | $5.0 \pm 0.5$   |
| 28AWG Teflon wire                                  |                 |
| -55 $^{\circ}$ C – 150 $^{\circ}$ C Operating Temp |                 |



# CT Series - NTC Thermistor with chip

## DESCRIPTION

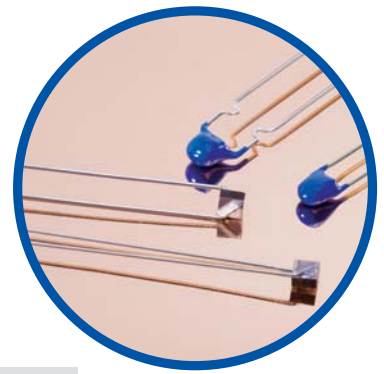
- NTC chip thermistor with or without coating with tinned copper leads

## FEATURES

- Wide resistance selection
- Cost effective
- Fast response, with high accuracy (to  $\pm 1\%$ )

## APPLICATIONS

- Refrigeration
- Battery pack
- Amplifier circuits

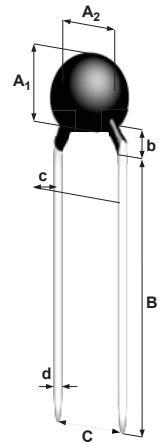


### ELECTRICAL SPECS

| NT03 Part Number | $R_{25}$ K $\Omega$ | R-T Curve | Beta (K) | Dissipation Constant (mW/ $^{\circ}$ C) | Thermal Time Constant (sec) | Max Power (mW) |
|------------------|---------------------|-----------|----------|-----------------------------------------|-----------------------------|----------------|
| CT02501350       | 0.5                 | M         | 3500     | 1.7                                     | 10.0                        | 120            |
| CT02102350       | 1.0                 | M         | 3500     | 1.7                                     | 10.0                        | 120            |
| CT02202395       | 2.0                 | L         | 3950     | 1.7                                     | 10.0                        | 120            |
| CT02302395       | 3.0                 | L         | 3950     | 1.7                                     | 10.0                        | 120            |
| CT02502395       | 5.0                 | L         | 3950     | 1.7                                     | 10.0                        | 120            |
| CT02103395       | 10.0                | L         | 3950     | 1.7                                     | 10.0                        | 120            |
| CT02253410       | 25.0                | R         | 4111     | 1.7                                     | 10.0                        | 120            |
| CT02503410       | 50.0                | R         | 4111     | 1.7                                     | 10.0                        | 120            |
| CT02104450       | 100.0               | S         | 4500     | 1.7                                     | 10.0                        | 120            |
| CT02254450       | 250.0               | S         | 4500     | 1.7                                     | 10.0                        | 120            |

### MECHANICAL SPECS

| Letter / Dimensions | Std. Part (mm) |
|---------------------|----------------|
| A1 / Length of part | $5.0 \pm 0.5$  |
| A2 / Dia. of part   | $2.5 \pm 0.5$  |
| C / Length of leads | $38.0 \pm 2.0$ |
| S / Lead spacing    | $3.2 \pm 0.5$  |
| d / Lead diameter   | $0.5 \pm 0.1$  |
| e / Lead spacing    | $0.5 \pm 0.1$  |
| b / Coat rundown    | $2.5 \pm 0.3$  |



# NT Series - NTC Thermistor with disc

## DESCRIPTION

- NTC disc thermistor with or without coating with tinned copper leads

## FEATURES

- Wide resistance selection
- Cost effective
- Fast response, with high accuracy (to  $\pm 1\%$ )
- Point or curve matched with interchangeable thermistors

## APPLICATIONS

- Automotive electronic
- Industrial electronic
- Heating Systems

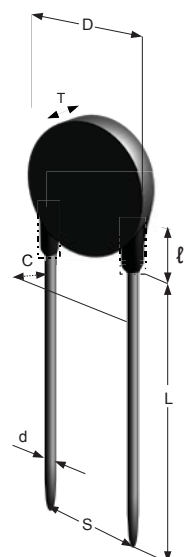


### ELECTRICAL SPECS

| NT03 Part Number | $R_{25}$ K $\Omega$ | R-T Curve | Beta (K) | Dissipation Constant (mW/ $^{\circ}$ C) | Thermal Time Constant (sec) | Max Power (mW) |
|------------------|---------------------|-----------|----------|-----------------------------------------|-----------------------------|----------------|
| NT03501350       | 0.5                 | M         | 3500     | 3.5                                     | 15.0                        | 250            |
| NT03102350       | 1.0                 | M         | 3500     | 3.5                                     | 15.0                        | 250            |
| NT03302395       | 3.0                 | L         | 3950     | 3.5                                     | 15.0                        | 250            |
| NT03502395       | 5.0                 | L         | 3950     | 3.5                                     | 15.0                        | 250            |
| NT03103395       | 10.0                | L         | 3950     | 3.5                                     | 15.0                        | 250            |
| NT03153395       | 15.0                | L         | 3950     | 3.5                                     | 15.0                        | 250            |
| NT03203410       | 20.0                | R         | 4111     | 3.5                                     | 15.0                        | 250            |
| NT03203410       | 50.0                | R         | 4111     | 3.5                                     | 15.0                        | 250            |
| NT03503410       | 100.0               | S         | 4500     | 3.5                                     | 15.0                        | 250            |
| NT05201350       | 0.2                 | M         | 3500     | 7.5                                     | 20.0                        | 450            |
| NT05301350       | 0.3                 | M         | 3500     | 7.5                                     | 20.0                        | 450            |
| NT05501350       | 0.5                 | M         | 3500     | 7.5                                     | 20.0                        | 450            |
| NT05102375       | 1.0                 | N         | 3750     | 7.5                                     | 20.0                        | 450            |
| NT05202395       | 2.0                 | L         | 3950     | 7.5                                     | 20.0                        | 450            |
| NT05502395       | 5.0                 | L         | 3950     | 7.5                                     | 20.0                        | 450            |
| NT05103410       | 10.0                | R         | 4111     | 7.5                                     | 20.0                        | 450            |
| NT05253410       | 25.0                | R         | 4111     | 7.5                                     | 20.0                        | 450            |
| NT05503450       | 50.0                | S         | 4500     | 7.5                                     | 20.0                        | 450            |
| NT05104450       | 100.0               | S         | 4500     | 7.5                                     | 20.0                        | 450            |

### MECHANICAL SPECS

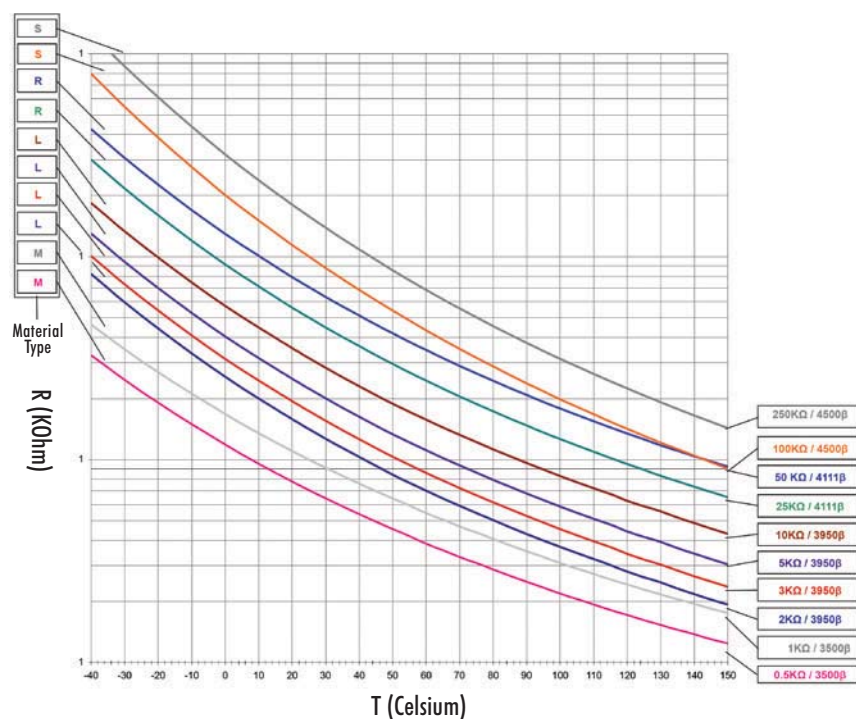
| Letter / Dimensions | Std. Part (mm) | NT03           | NT05 |
|---------------------|----------------|----------------|------|
| A / Dia. of part    | $3.0 \pm 0.5$  | $6.0 \pm 1.0$  |      |
| t / Thickness       | $3.0 \pm 0.5$  | $3.5 \pm 0.5$  |      |
| C / Length of leads | $38.0 \pm 2.0$ | $38.0 \pm 2.0$ |      |
| S / Lead spacing    | $3.0 \pm 0.5$  | $5.0 \pm 1.0$  |      |
| e / Lead spacing    | $0.5 \pm 0.1$  | $2.0 \pm 0.4$  |      |
| d / Lead diameter   | $0.5 \pm 0.1$  | $0.5 \pm 0.1$  |      |
| B / Coat rundown    | $2.5 \pm 0.5$  | $2.5 \pm 0.5$  |      |



## Temperature Coefficients

| Temp<br>°C | Material<br>"M" | Material<br>"N" | Material<br>"L" | Material<br>"R" | Material<br>"S" |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| -40        | 21.3900         | 30.7500         | 33.7400         | 36.0900         | 63.2900         |
| -30        | 12.2200         | 16.4300         | 17.8000         | 18.8200         | 30.0300         |
| -20        | 7.2680          | 9.1450          | 9.7760          | 10.2300         | 14.8700         |
| -10        | 4.4550          | 5.2750          | 5.5700          | 5.7670          | 7.6420          |
| 0          | 2.8190          | 3.1500          | 3.2790          | 3.3630          | 4.0660          |
| 10         | 1.8200          | 1.9440          | 1.9980          | 2.2040          | 2.2650          |
| 20         | 1.2100          | 1.2380          | 1.2520          | 1.2560          | 1.3030          |
| 25         | 1.0000          | 1.0000          | 1.0000          | 1.0000          | 1.0000          |
| 30         | 0.8290          | 0.8120          | 0.8038          | 0.8013          | 0.7726          |
| 35         | 0.6900          | 0.6630          | 0.6499          | 0.6461          | 0.6009          |
| 40         | 0.5790          | 0.5460          | 0.5282          | 0.5241          | 0.4704          |
| 45         | 0.4880          | 0.4530          | 0.4316          | 0.4276          | 0.3705          |
| 50         | 0.4030          | 0.3760          | 0.3545          | 0.3507          | 0.2936          |
| 55         | 0.3510          | 0.3150          | 0.2949          | 0.2894          | 0.2341          |
| 60         | 0.2978          | 0.2650          | 0.2465          | 0.2400          | 0.1878          |
| 65         | 0.2551          | 0.2241          | 0.2070          | 0.2001          | 0.1516          |
| 70         | 0.2195          | 0.1906          | 0.1747          | 0.1677          | 0.1231          |
| 75         | 0.1912          | 0.1631          | 0.1481          | 0.1412          | 0.1005          |
| 80         | 0.1645          | 0.1401          | 0.1261          | 0.1194          | 0.0825          |
| 85         | 0.1430          | 0.1208          | 0.1077          | 0.1014          | 0.0681          |
| 90         | 0.1251          | 0.1047          | 0.0924          | 0.0865          | 0.0564          |
| 95         | 0.1093          | 0.0907          | 0.0796          | 0.0741          | 0.0470          |
| 100        | 0.0957          | 0.0789          | 0.0688          | 0.0637          | 0.0393          |
| 105        | 0.0843          | 0.0695          | 0.0597          | 0.0550          | 0.0330          |
| 110        | 0.0743          | 0.0609          | 0.0521          | 0.0477          | 0.0279          |
| 115        | 0.0658          | 0.054           | 0.0456          | 0.0414          | 0.02362         |
| 120        | 0.0588          | 0.0479          | 0.0392          | 0.0361          | 0.02009         |
| 125        | 0.0522          | 0.0428          | 0.0345          | 0.0317          | 0.01715         |
| 130        | 0.0469          | 0.0381          | 0.0308          | 0.0277          | 0.01469         |
| 135        | 0.042           | 0.034           | 0.0268          | 0.0244          | 0.01262         |
| 140        | 0.0379          | 0.0307          | 0.0236          | 0.0216          | 0.01089         |
| 145        | 0.0339          | 0.0274          | 0.0209          | 0.0192          | 0.009416        |
| 150        | 0.0309          | 0.0251          | 0.0186          | 0.017           | 0.00817         |
| p          | 300Ωcm          | 900Ωcm          | 2100Ωcm         | 3000Ωcm         | 33000Ωcm        |
| Beta       | 3500 °K         | 3750 °K         | 3950 °K         | 4111 °K         | 4500 °K         |

## Ametherm Probe Assembly and NTC C/T Curve



ALSO AVAILABLE THROUGH

US & INTERNATIONAL  
Digi-Key [www.digikey.com](http://www.digikey.com)  
Mouser [www.mouser.com](http://www.mouser.com)  
Newark [www.newark.com](http://www.newark.com)

EUROPE  
Thomatronik [www.thomatronik.de](http://www.thomatronik.de)

UNITED KINGDOM  
Rhopoint Components [www.rhopointcomponents.com](http://www.rhopointcomponents.com)

CHINA  
IBS Electronics [www.ibselectronics.com](http://www.ibselectronics.com)

MALAYSIA  
IC Resource [www.icresource.com.sg](http://www.icresource.com.sg)

For a complete list of Ametherm  
distributors, please visit  
[www.ametherm.com](http://www.ametherm.com)

Contact us today for more information  
or to order your free samples.

T: 800-808-2434  
775-884-2434  
(Outside the US and Canada)  
F: 775-884-0670  
[www.ametherm.com](http://www.ametherm.com)  
[info@ametherm.com](mailto:info@ametherm.com)

3111 N. Deer Run Road  
Carson City, Nevada 89701 USA

**AMETHERM**  
Circuit Protection Thermistors

