



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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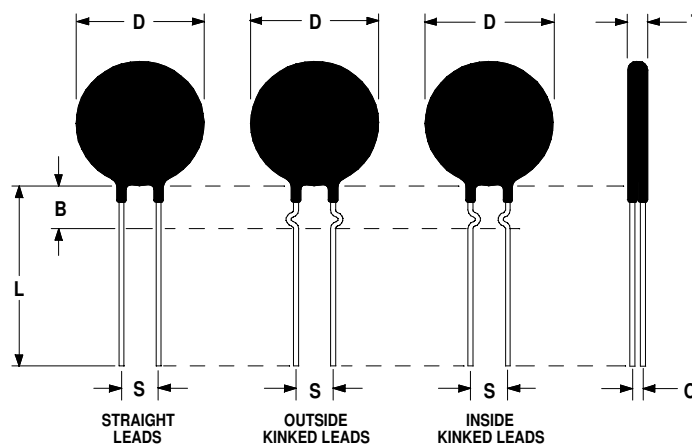


Part Number: NT03 10052

Ordering Different Lead Types:

| | |
|----------------------|---------------------------------------|
| Inside Kinked Leads | Use -A after Ametherm's part # |
| Outside Kinked Leads | Use -B after Ametherm's part # |

For example: to order an inside kinked lead use part number NT03 10052-A



Electrical Specifications:

| | |
|---------------------------------------|-------------------------|
| Zero-Power Resistance @ 25°C | 10.0 Ω \pm 10% |
| Resistance @ 0°C/ Resistance @ 50°C | 5.60 \pm 1% |
| Resistance @ 25°C/ Resistance @ 125°C | 14.1 \pm 2% |
| Beta | 3169 \pm 2% |
| Temp Coefficient of Resistance @ 25°C | -3.42%/°C |
| Operating Temperature Range | -50°C \pm 150°C |
| Maximum Permissible Power | 0.45 W |
| Dissipation Constant | 4.0mW/°C |
| Thermal Time Constant | 10 seconds |
| Material Type | "G" |
| Max Steady State Current up to 65°C | 0.250 A |
| Resistance @ Max Steady State Current | 12.00 Ω |
| Max Instantaneous Energy | 3.0 J |

Mechanical Specifications:

| | |
|----------------|-------------|
| D | 3.20 mm Max |
| T | 3.20 mm Max |
| Lead Diameter | 0.5 mm Nom |
| S | 3.55 mm Nom |
| L | 38.0 mm Min |
| Straight Leads | Standard |

Revision Date: March 19, 2003

Ametherm, Inc. 3111 N. Deer Run Road #4 Carson City, NV 89701
 Telephone: (800) 808-2434 (775) 884-2434 Fax: (775) 884-0670

www.ametherm.com



DATA SHEET

Part Number: NT03 10052

Resistance Temperature Curve:

| Temperature | R@T/R@25°C |
|-------------|------------|
| -40 | 15.45 |
| -30 | 9.358 |
| -20 | 5.875 |
| -10 | 3.798 |
| 0 | 2.517 |
| 10 | 1.711 |
| 20 | 1.191 |
| 25 | 1.000 |
| 30 | 0.840 |
| 40 | 0.608 |
| 50 | 0.449 |
| 60 | 0.3379 |
| 70 | 0.2568 |
| 80 | 0.1985 |
| 90 | 0.1552 |
| 100 | 0.1230 |
| 110 | 0.0977 |
| 120 | 0.0785 |
| 125 | 0.0709 |
| 130 | 0.0640 |
| 140 | 0.0529 |
| 150 | 0.0442 |

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