

Part Number: SL05 60001

### Ordering Different Lead Types:

|                      |                                       |
|----------------------|---------------------------------------|
| Inside Kinked Leads  | Use <b>-A</b> after Ametherm's part # |
| Outside Kinked Leads | Not Available                         |

For example: to order an inside kinked lead use part number SL05 60001-A



### Electrical Specifications:

|                                       |                         |
|---------------------------------------|-------------------------|
| Resistance @ 25°C                     | 60.0 $\Omega$ $\pm$ 20% |
| Resistance @ 0°C/ Resistance @ 50°C   | 5.6 $\pm$ 1%            |
| Resistance @ 25°C/ Resistance @ 125°C | 14.1 $\pm$ 2%           |
| Beta                                  | 3169 $\pm$ 0.87%        |
| Temp Coefficient of Resistance @ 25°C | -3.42%/°C               |
| Max Steady State Current Up to 65°C   | 1.0 A                   |
| Resistance @ Max Steady State Current | 6.00 $\Omega$           |
| Maximum Instantaneous Energy          | 3.0 J                   |
| Dissipation Constant                  | 4.0mW/°C                |
| Thermal Time Constant                 | 20.0 Seconds            |
| Operating Temperature Range           | -50°C $\pm$ 150°C       |
| Material Type                         | "H"                     |

### Mechanical Specifications:

|                  |                         |
|------------------|-------------------------|
| D                | 5.5 $\pm$ 0.5 mm        |
| T                | 2.7 $\pm$ 0.4 mm        |
| Lead Diameter    | 0.5 mm Nom              |
| S                | 6.0 mm Nom              |
| L                | 38.0 mm Min             |
| Coating Material | Flame Retardant Silicon |

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## DATA SHEET

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### Resistance Temperature Curve:

| Temperature | R@T/R@25°C |
|-------------|------------|
| -50         | 26.32      |
| -40         | 15.41      |
| -30         | 9.357      |
| -20         | 5.870      |
| -10         | 3.792      |
| 0           | 2.514      |
| 5           | 2.6908     |
| 10          | 2.0785     |
| 15          | 1.6173     |
| 20          | 1.2674     |
| 25          | 1.0000     |
| 30          | 0.7942     |
| 35          | 0.6348     |
| 40          | 0.5105     |
| 45          | 0.4129     |
| 50          | 0.3359     |
| 55          | 0.2748     |
| 60          | 0.2259     |
| 65          | 0.1867     |
| 70          | 0.1550     |
| 75          | 0.1293     |
| 80          | 0.1084     |
| 85          | 0.9120     |
| 90          | 0.7710     |
| 95          | 0.6540     |
| 100         | 0.5570     |
| 105         | 0.4760     |
| 110         | 0.4080     |
| 115         | 0.3510     |
| 120         | 0.3030     |
| 125         | 0.2630     |
| 130         | 0.2280     |
| 135         | 0.1990     |
| 140         | 0.1730     |
| 145         | 0.1520     |
| 150         | 0.1330     |

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