

## NTC Thermistors, Inrush Current Limiters



### DESCRIPTION

TBD

| QUICK REFERENCE DATA                   |          |          |
|----------------------------------------|----------|----------|
| PARAMETER                              | VALUE    | UNIT     |
| Resistance at 25 °C ( $R_{25}$ )       | 2        | $\Omega$ |
| Tolerance on $R_{25}$ value            | $\pm 25$ | %        |
| Max. steady-state current up to 65 °C  | 25       | A        |
| Max. recommended energy rating         | 300      | J        |
| Actual failure instantaneous energy    | 600      | J        |
| Resistance at 100 % max. current       | 0.0185   | $\Omega$ |
| Resistance at 50 % max. current        | 0.039    | $\Omega$ |
| Body temperature at 100 % max. current | 220      | °C       |
| Dissipation factor                     | 78.2     | mW/°C    |
| Cool down time: 50 % of initial R      | 85       | s        |
| Cool down time: 100 % of initial R     | 130      | s        |
| Material type                          | B        |          |
| RoHS-compliant                         | Yes      |          |
| MSL (moisture sensitivity level)       | #1       |          |

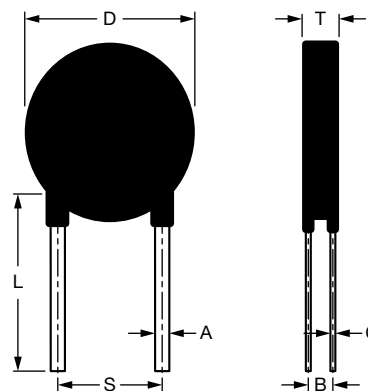
### FEATURES

- Recognized by Underwriters Laboratories for ensured safety
- Designed to withstand high steady-state current
- Absorbs and minimizes high input energy
- Cost effective one component solution to inrush current
- Wide temperature range of operation

### APPLICATIONS

- TBD

### MECHANICAL SPECIFICATIONS in millimeters



| SYMBOL         | AS322R025     |
|----------------|---------------|
| A              | 2.2 nom.      |
| B              | 4.8 nom.      |
| C              | 0.9 $\pm$ 0.1 |
| D              | 30.0 max.     |
| L              | 21.0 nom.     |
| S              | 17.1 nom.     |
| T              | 7.8 max.      |
| Straight leads | 5.5 max.      |



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