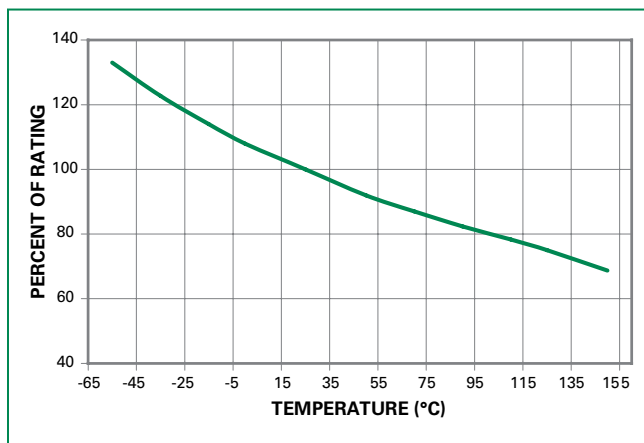


### Temperature Re-rating Curve



Note:

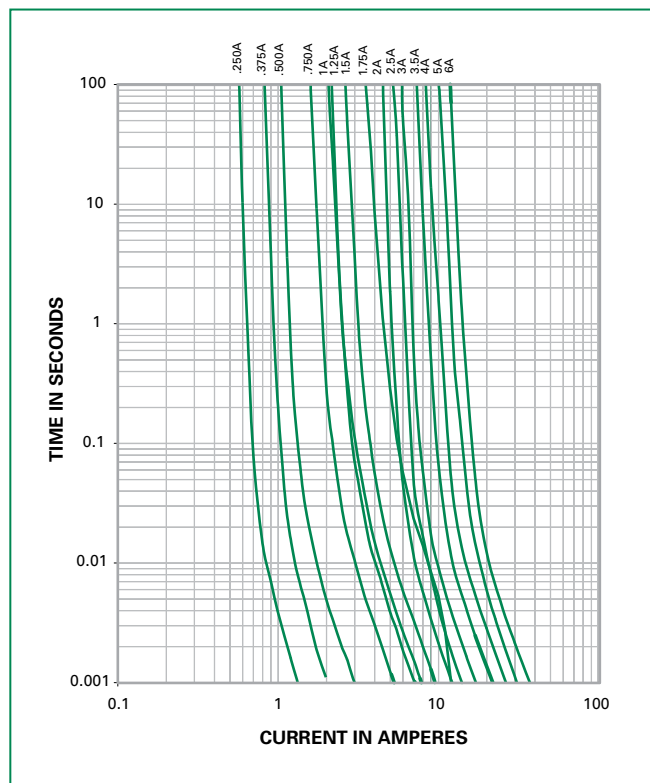
1. Re-rating depicted in this curve is in addition to the standard re-rating of 20% for continuous operation.

Example:

For continuous operation at 75 degrees celsius, the fuse should be rated as follows:

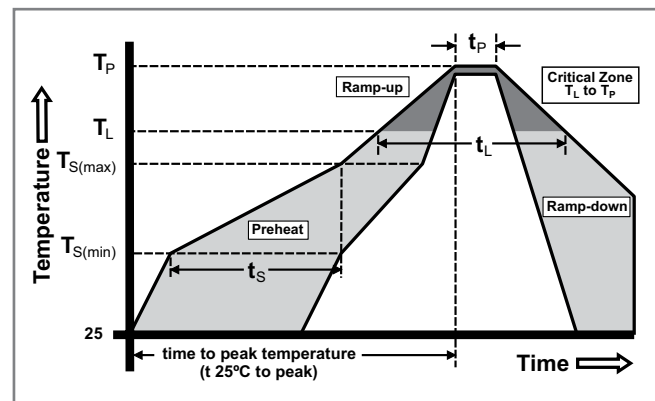
$$I = (0.80)(0.85)I_{\text{RAT}} = (0.68)I_{\text{RAT}}$$

### Average Time Current Curves



### Soldering Parameters

|                                                        |                                     |                    |
|--------------------------------------------------------|-------------------------------------|--------------------|
| Reflow Condition                                       |                                     | Pb – free assembly |
| Pre Heat                                               | - Temperature Min ( $T_{s(\min)}$ ) | 150°C              |
|                                                        | - Temperature Max ( $T_{s(\max)}$ ) | 200°C              |
|                                                        | - Time (Min to Max) ( $t_s$ )       | 60 – 180 seconds   |
| Average Ramp-up Rate (Liquidus Temp ( $T_L$ ) to peak) |                                     | 3°C/second max.    |
| $T_{s(\max)}$ to $T_L$ - Ramp-up Rate                  |                                     | 5°C/second max.    |
| Reflow                                                 | - Temperature ( $T_L$ ) (Liquidus)  | 217°C              |
|                                                        | - Temperature ( $t_L$ )             | 60 – 150 seconds   |
| Peak Temperature ( $T_p$ )                             |                                     | 260 $^{+0/-5}$ °C  |
| Time within 5°C of actual peak Temperature ( $t_p$ )   |                                     | 10 – 30 seconds    |
| Ramp-down Rate                                         |                                     | 6°C/second max.    |
| Time 25°C to peak Temperature ( $T_p$ )                |                                     | 8 minutes max.     |
| Do not exceed                                          |                                     | 260°C              |



Wave Soldering

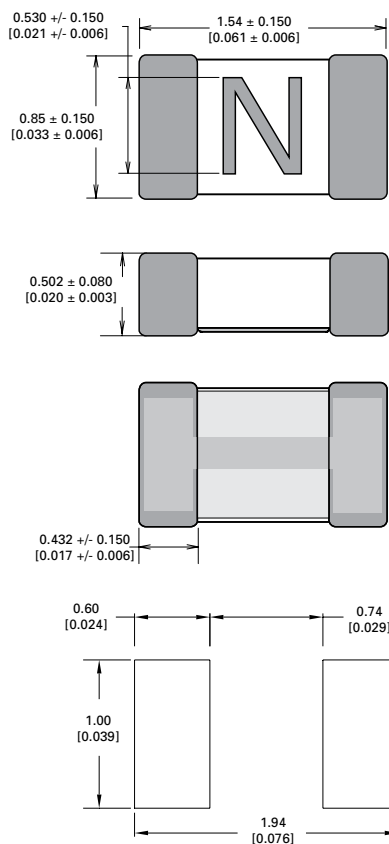
260°C, 10 seconds max.

### Product Characteristics

|                                   |                                                                                                                                      |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Materials</b>                  | <b>Body:</b> Advanced Ceramic<br><b>Terminations:</b> Ag / Ni / Sn (100% Lead-free)<br><b>Element Cover Coating:</b> Lead-free Glass |
| <b>Moisture Sensitivity Level</b> | IPC/JEDEC J-STD-020, Level 1                                                                                                         |
| <b>Solderability</b>              | IPC/EIC/JEDEC J-STD-002, Condition B                                                                                                 |
| <b>Humidity</b>                   | MIL-STD-202, Method 103, Conditions D                                                                                                |
| <b>Resistance to Solder Heat</b>  | MIL-STD-202, Method 210, Condition B                                                                                                 |

|                                     |                                        |
|-------------------------------------|----------------------------------------|
| <b>Moisture Resistance</b>          | MIL-STD-202, Method 106                |
| <b>Thermal Shock</b>                | MIL-STD-202, Method 107, Condition B-3 |
| <b>Mechanical Shock</b>             | MIL-STD-202, Method 213, Condition A   |
| <b>Vibration</b>                    | MIL-STD-202, Method 201                |
| <b>Vibration, High Frequency</b>    | MIL-STD-202, Method 204, Condition D   |
| <b>Dissolution of Metallization</b> | IPC/EIC/JEDEC J-STD-002, Condition D   |
| <b>Terminal Strength</b>            | IEC 60127-4                            |

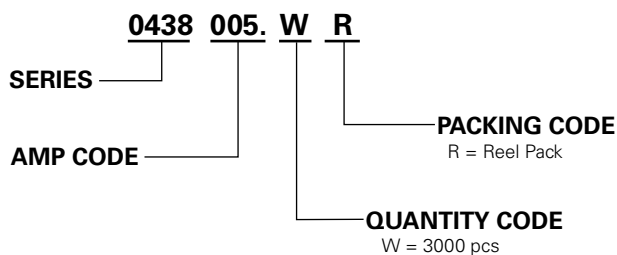
### Dimensions



### Part Marking System

| Amp Code | Marking Code | Amp Code | Marking Code |
|----------|--------------|----------|--------------|
| .250     | <b>D</b>     | 002.     | <b>N</b>     |
| .375     | <b>E</b>     | 02.5     | <b>O</b>     |
| .500     | <b>F</b>     | 003.     | <b>P</b>     |
| .750     | <b>G</b>     | 03.5     | <b>R</b>     |
| 001.     | <b>H</b>     | 004.     | <b>S</b>     |
| 1.25     | <b>J</b>     | 005.     | <b>T</b>     |
| 01.5     | <b>K</b>     | 006.     | <b>U</b>     |
| 1.75     | <b>L</b>     |          |              |

### Part Numbering System



### Packaging

| Packaging Option  | Packaging Specification    | Quantity | Quantity & Packaging Code |
|-------------------|----------------------------|----------|---------------------------|
| 8mm Tape and Reel | EIA-481, IEC 60286, Part 3 | 3000     | WR                        |

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