

## MICRO™ FUSE Very Fast-Acting Type

UL SP QPL

Developed originally for the U.S. Space Program, MICRO fuse provides reliability in an extra compact design. The MICRO fuse is available in plug in or radial lead styles and a complete range of ampere ratings from 1/500 to 5 amperes to suit a wide variety of design needs.

### ELECTRICAL CHARACTERISTICS:

| % of Ampere Rating | Ampere Rating | Opening Time              |
|--------------------|---------------|---------------------------|
| 100%               | 1/500–5       | 4 hours, <b>Minimum</b>   |
| 200%               | 1/500–3/10    | 5 seconds, <b>Maximum</b> |
|                    | 4/10–5        | 2 seconds, <b>Maximum</b> |

**AGENCY APPROVALS:** Recognized under the Components Program of Underwriters Laboratories and Certified by CSA.

**AGENCY FILE NUMBERS:** UL E10480, CSA LR 29862.

**INTERRUPTING RATING:**  
10,000 amperes at 125 VAC/VDC.

**FUSES TO MIL SPEC:** 273 Series is available in Military QPL type (FM02). To order, change 273 to 274.

**Operating Temperature:**  
273 and 279: –55°C to 85°C.  
272 and 278: –55°C to 125°C

### PATENTED

### ORDERING INFORMATION:

| Plug-In        |                | Radial Lead    |                | Ampere Rating | Voltage Rating | Nominal Resistance Cold Ohms | Nominal Melting I <sup>2</sup> t A <sup>2</sup> Sec. |
|----------------|----------------|----------------|----------------|---------------|----------------|------------------------------|------------------------------------------------------|
| Catalog Number | Catalog Number | Catalog Number | Catalog Number |               |                |                              |                                                      |
| 272.002        | 273.002        | 278.002        | 279.002        | 1/500         | 125            | 2200                         | 0.0000000845                                         |
| 272.005        | 273.005        | 278.005        | 279.005        | 1/200         | 125            | 280                          | 0.0000000810                                         |
| 272.010        | 273.010        | 278.010        | 279.010        | 1/100         | 125            | 80.0                         | 0.000000462                                          |
| 272.015        | 273.015        | 278.015        | 279.015        | 1/64          | 125            | 44.0                         | 0.00000123                                           |
| 272.031        | 273.031        | 278.031        | 279.031        | 1/32          | 125            | 16.0                         | 0.00000810                                           |
| 272.050        | 273.050        | 278.050        | 279.050        | 1/20          | 125            | 3.20                         | 0.0000666                                            |
| 272.062        | 273.062        | 278.062        | 279.062        | 1/16          | 125            | 2.32                         | 0.000115                                             |
| 272.100        | 273.100        | 278.100        | 279.100        | 1/10          | 125            | 1.25                         | 0.000385                                             |
| 272.125        | 273.125        | 278.125        | 279.125        | 1/8           | 125            | 1.0                          | 0.000691                                             |
| 272.200        | 273.200        | 278.200        | 279.200        | 2/10          | 125            | 2.30                         | 0.00409                                              |
| 272.250        | 273.250        | 278.250        | 279.250        | 1/4           | 125            | 1.75                         | 0.00640                                              |
| 272.300        | 273.300        | 278.300        | 279.300        | 3/10          | 125            | 1.25                         | 0.00945                                              |
| 272.400        | 273.400        | 278.400        | 279.400        | 4/10          | 125            | 0.227                        | 0.0251                                               |
| 272.500        | 273.500        | 278.500        | 279.500        | 1/2           | 125            | 0.167                        | 0.0716                                               |
| 272.600        | 273.600        | 278.600        | 279.600        | 6/10          | 125            | 0.430                        | 0.0411                                               |
| 272.700        | 273.700        | 278.700        | 279.700        | 7/10          | 125            | 0.324                        | 0.0710                                               |
| 272.750        | 273.750        | 278.750        | 279.750        | 3/4           | 125            | 0.293                        | 0.0900                                               |
| 272.800        | 273.800        | 278.800        | 279.800        | 8/10          | 125            | 0.271                        | 0.113                                                |
| 272.001        | 273.001        | 278.001        | 279.001        | 1             | 125            | 0.0880                       | 0.0648                                               |
| 272.015        | 273.015        | 278.015        | 279.015        | 1 1/2         | 125            | 0.0578                       | 0.160                                                |
| 272.002        | 273.002        | 278.002        | 279.002        | 2             | 125            | 0.0425                       | 0.300                                                |
| 272.003        | 273.003        | 278.003        | 279.003        | 3             | 125            | 0.0275                       | 0.759                                                |
| 272.004        | 273.004        | 278.004        | 279.004        | 4             | 125            | 0.0202                       | 1.38                                                 |
| 272.005        | 273.005        | 278.005        | 279.005        | 5             | 125            | 0.0156                       | 2.21                                                 |

