

# Axial Lead and Cartridge Fuses

## Subminiature

### MICRO™ FUSE Very Fast-Acting Type 272/273/274/278/279 Series



Developed originally for the U.S. Space Program, MICRO fuse provides reliability in a 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.

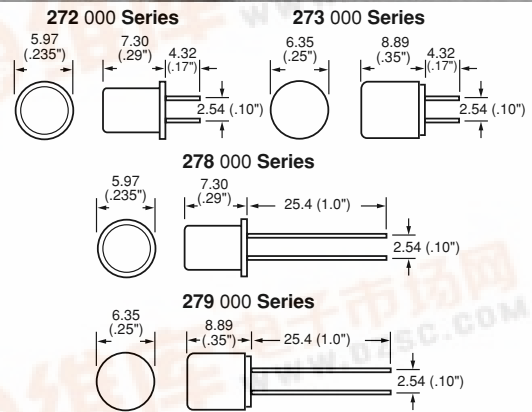
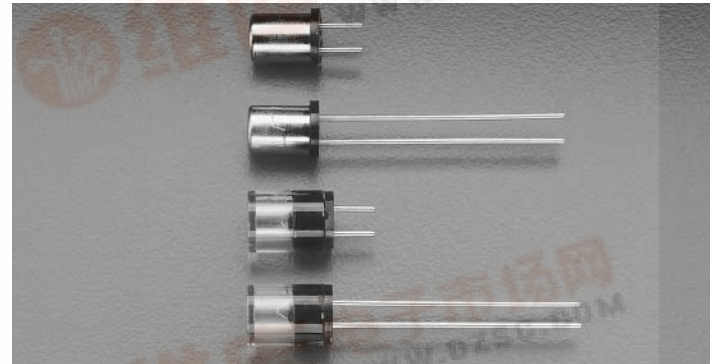
#### Operating Temperature:

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            | 2800                         | 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                                                 |



NOTE: Amperage and voltage rating stamped on cap. Leads are solder-coated copper; .025" diameter.

#### Average Time Current Curves

