



Part Number: **273.050**

Technology: **Fuses**

Series: **273**

**273 Series - MICRO™ Very Fast-Acting Subminiature Plug-In Fuse**

Similar to 272 and 278 series, except has transparent cap for visual indication of fuse status.

### Electrical Characteristics

Property	Value
Amp Rating (A)	0.05
Form Factor	TR3@/MICRO™
Fuse Class	Supplemental
$I^2t$ (A <sup>2</sup> Sec)	6.7e-05
Opening Characteristic	Very Fast-Acting
Resistance (Ohms)	3.200000048
Voltage Rating (V)	125

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# Axial Lead and Cartridge Fuses

## Subminiature

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

UL SP QPL

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.

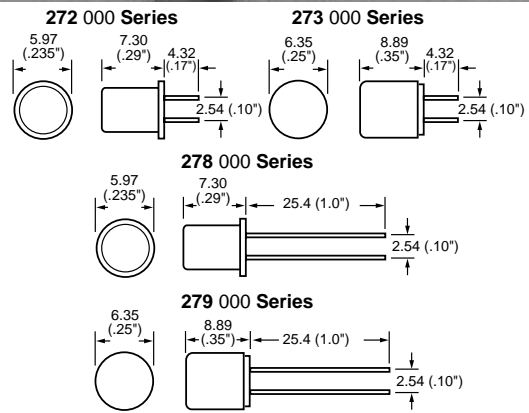
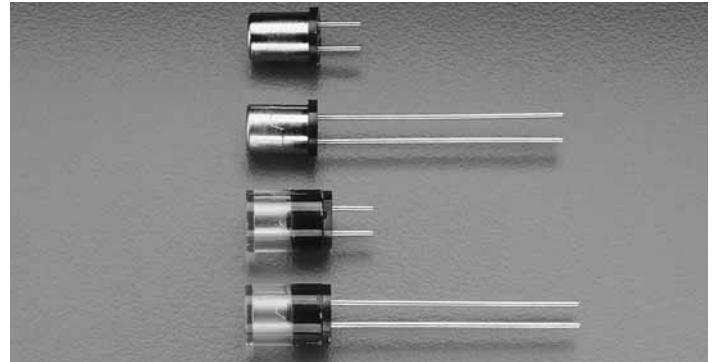
#### Operating Temperature:

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
272.01.5	273.01.5	278.01.5	279.01.5	1½	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

