

### Description

- Time Delay, ceramic tube
- Optional leaded version available
- 1/4 x 1-1/4 (6.3mm x 32mm) physical size
- Ceramic tube, nickel-plated brass endcap construction
- UL Listed product meets standard 248-14

| ELECTRICAL CHARACTERISTICS |            |                  |
|----------------------------|------------|------------------|
| Rated Current              | Amp Rating | Opening Time     |
| 1/4 - 30A                  | 100%       | None             |
|                            | 135%       | 60 Minutes Max.  |
|                            | 200%       | 120 Seconds Max. |

### Approvals

- UL Listed Card: MDA 2/10 - 20A (Guide JDYX, File E19180)
- UL Recognized Card: MDA 25 - 30A (Guide JDYX2, File E19180)
- CSA Certification Card: MDA 2/10 - 15 (Class No. 1422-01)

### Environmental Data

- Shock: 1/100A and 8/10A – MIL-STD-202, Method 213, Test Condition I;  
1A thru 30A – MIL-STD-202, Method 207, (HI Shock)
- Vibration: 1/100A and 8/10A – MIL-STD-202, Method 201; 1/4A thru 30A – MIL-STD-202, Method 204, Test Condition C (Except 5g, 500HZ)

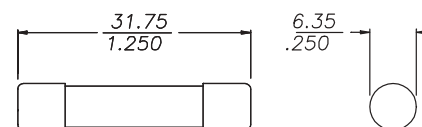
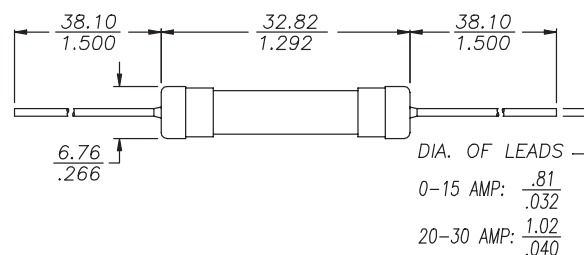
### Ordering

- Specify product code, option code and packaging code



### Dimensions (mm/in)

Drawing Not to Scale



### SPECIFICATIONS

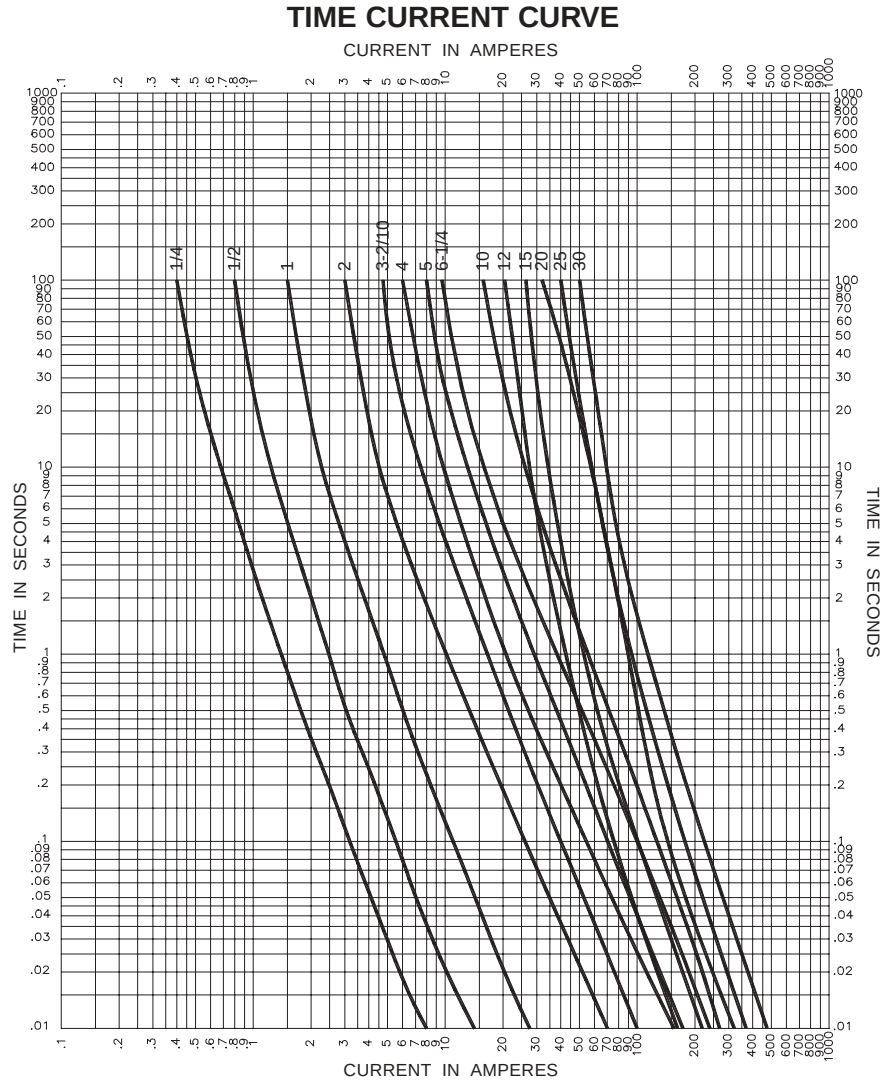
| Product Code | Voltage Rating |      | AC Interrupting Rating* |        | DC Interrupting Rating<br>125V | Typical DC Cold Resistance**<br>(ohms) | Typical Melting I <sup>††</sup><br>AC | Typical Voltage Drop‡ |
|--------------|----------------|------|-------------------------|--------|--------------------------------|----------------------------------------|---------------------------------------|-----------------------|
|              | AC             | DC   | 250V                    | 125V   |                                |                                        |                                       |                       |
| MDA-1/4      | 250V           | -    | 35A                     | 10000A | -                              | 9.325                                  | 0.68                                  | 4.00                  |
| MDA-1/2      | 250V           | -    | 35A                     | 10000A | -                              | 1.925                                  | 2.3                                   | 1.42                  |
| MDA-3/4      | 250V           | -    | 35A                     | 10000A | -                              | 0.8555                                 | 7.8                                   | 1.31                  |
| MDA-1        | 250V           | -    | 35A                     | 10000A | -                              | 0.560                                  | 11.1                                  | 1.03                  |
| MDA-1-1/2    | 250V           | -    | 100A                    | 10000A | -                              | 0.2585                                 | 25.0                                  | 0.691                 |
| MDA-2        | 250V           | -    | 100A                    | 10000A | -                              | 0.1645                                 | 64.0                                  | 0.623                 |
| MDA-2-1/2    | 250V           | -    | 200A                    | 10000A | -                              | 0.06685                                | 28.9                                  | 0.213                 |
| MDA-3        | 250V           | -    | 200A                    | 10000A | -                              | 0.0507                                 | 40.9                                  | 0.182                 |
| MDA-4        | 250V           | -    | 200A                    | 10000A | -                              | 0.0346                                 | 134.0                                 | 0.162                 |
| MDA-5        | 250V           | -    | 200A                    | 10000A | -                              | 0.02355                                | 345.9                                 | 0.145                 |
| MDA-6        | 250V           | -    | 200A                    | 10000A | -                              | 0.01850                                | 534.3                                 | 0.141                 |
| MDA-7        | 250V           | -    | 200A                    | 10000A | -                              | 0.01475                                | 580.3                                 | 0.137                 |
| MDA-8        | 250V           | -    | 200A                    | 10000A | -                              | 0.01230                                | 944.0                                 | 0.134                 |
| MDA-10       | 250V           | -    | 200A                    | 10000A | -                              | 0.00858                                | 1491.3                                | N/A                   |
| MDA-15       | 250V           | -    | 750A                    | 10000A | -                              | 0.00543                                | 206.2                                 | 0.107                 |
| MDA-20       | 250V           | 125V | 1500A                   | 10000A | 10000A                         | 0.00405                                | 439.5                                 | 0.095                 |
| MDA-25       | 250V           | 125V | 1500A                   | 10000A | 10000A                         | 0.00309                                | 667.9                                 | 0.105                 |
| MDA-30       | 250V           | 125V | 1500A                   | 10000A | 10000A                         | 0.00243                                | 997.0                                 | 0.110                 |

\* Interrupting Ratings (Measured at 70% - 80% power factor on AC. The interrupting ratings for 25Amp, 30Amp were measured at 90% - 100% power factor on AC)

\*\* DC Cold Resistance (Measured at ≤10% of rated current)

† Typical Melting I<sup>†</sup> (A<sup>2</sup>Sec) (I<sup>†</sup> was measured at listed interrupting rating and rated voltage)

‡ Typical Voltage Drop (Voltage drop was measured at 25°C ambient temperature at rated current)



| OPTION CODE |                                                                               |
|-------------|-------------------------------------------------------------------------------|
| Option Code | Description                                                                   |
| B           | Board Washable - Hermetically sealed to withstand aqueous cleaning            |
| V           | Axial leads - brass overcaps with copper and nickel flash, plated in tin lead |

| PACKAGING CODE |                                                                        |
|----------------|------------------------------------------------------------------------|
| Packaging Code | Description                                                            |
| BK             | 100 pieces of fuses packed into a cardboard carton with flaps folded   |
| BK1            | 1,000 pieces of fuses packed into a cardboard carton with flaps folded |
| BK8            | 8,000 pieces of fuses packed into a cardboard carton with flaps folded |