

1/4" x 1 1/4" Ceramic Tube Fuses MDA Series, Time-Delay

Description

- Time-delay
- Optional axial leads available
- 1/4" x 1-1/4" (6.35 x 31.75mm) 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. |

Agency Information

- 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 - 20 (Class No. 1422-01)
- CSA Component Acceptance: MDA 25-30A (Class No. 1422-30)

Environmental Data

- Shock: 1/100A and 8/10A – MIL-STD-202, Method 213, Test Condition I; 1A thru 30A – MIL-STD-202, Method 213, Test Condition J
- 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)

Dimensions - mm (in)

Drawing Not to Scale



Ordering

- Specify packaging, product, and option code

SPECIFICATIONS

| Part Number | Voltage Rating | | AC Interrupting Rating* (amps) | | DC Interrupting Rating (amps) 125V | Typical DC Cold Resistance** (Ω) | Typical Melting I ² t† AC | Typical Voltage Drop‡ |
|-------------|----------------|-----|--------------------------------|-------|---------------------------------------|-------------------------------------|-----------------------------------------|-----------------------|
| | Vac | Vdc | 250V | 125V | | | | |
| MDA-1/4-R | 250 | - | 35 | 10000 | - | 9.325 | 0.748 | 4.00 |
| MDA-1/2-R | 250 | - | 35 | 10000 | - | 1.925 | 2.53 | 1.42 |
| MDA-3/4-R | 250 | - | 35 | 10000 | - | 0.8555 | 8.58 | 1.31 |
| MDA-1-R | 250 | - | 35 | 10000 | - | 0.560 | 12.21 | 1.03 |
| MDA-1-1/2-R | 250 | - | 100 | 10000 | - | 0.2585 | 27.5 | 0.691 |
| MDA-2-R | 250 | - | 100 | 10000 | - | 0.170 | 70.4 | 0.623 |
| MDA-2-1/2-R | 250 | - | 200 | 10000 | - | 0.06685 | 31.79 | 0.213 |
| MDA-3-R | 250 | - | 200 | 10000 | - | 0.05350 | 44.99 | 0.182 |
| MDA-4-R | 250 | - | 200 | 10000 | - | 0.03625 | 147.4 | 0.162 |
| MDA-5-R | 250 | - | 200 | 10000 | - | 0.02610 | 380.49 | 0.145 |
| MDA-6-R | 250 | - | 200 | 10000 | - | 0.02120 | 587.73 | 0.141 |
| MDA-7-R | 250 | - | 200 | 10000 | - | 0.01690 | 638.33 | 0.137 |
| MDA-8-R | 250 | - | 200 | 10000 | - | 0.01350 | 1038.4 | 0.134 |
| MDA-10-R | 250 | - | 200 | 10000 | - | 0.00948 | 1620.43 | 0.135 |
| MDA-12-R | 250 | - | 750 | 10000 | - | 0.00725 | 125.18 | 0.128 |
| MDA-15-R | 250 | - | 750 | 10000 | - | 0.00553 | 336.82 | 0.107 |
| MDA-20-R | 250 | 125 | 1500 | 10000 | 10000 | 0.00400 | 483.45 | 0.095 |
| MDA-25A-R | 250 | 125 | 1500 | 10000 | 10000 | 0.00305 | 734.69 | 0.105 |
| MDA-30A-R | 250 | 125 | 1500 | 10000 | 10000 | 0.00243 | 1096.7 | 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 I²t (A²Sec) (I²t was measured at listed interrupting rating and rated voltage)

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

Time-Current Curve



| Packaging Code | |
|-----------------------|--------------------------------------------|
| Packaging Code | Description |
| BK | 100 fuses packed into a cardboard carton |
| BK1 | 1,000 fuses packed into a cardboard carton |
| BK8 | 8,000 fuses packed into a cardboard carton |

| Option Code | |
|--------------------|--------------------------------------------------------------------|
| Option Code | Description |
| B | Sealed to withstand aqueous cleaning (Board Washable) |
| V | Axial leads - copper tinned wire with nickel plated brass overcaps |

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- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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