



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

## **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**

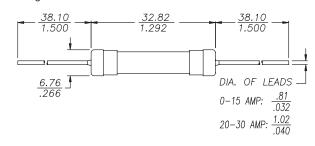
- Shock: 1/100A and 8/10A MIL-STD-202, Method 213, Test Condition I; 1A thru 30A – MIL-STD-202, Method 207, (HI Shock)
- Vibration: 1/100A and 8/10A MIL-STD-202, Method 201; 1/4A thru 30A – MIL-STD-202, Method 204, Test Condition C (Except 5g, 500HZ)

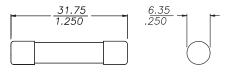
#### **Ordering**

Specify product code, option code and packaging code



**Dimensions** (mm/in) Drawing Not to Scale





	SPECIFICATIONS							
Product	Voltage AC Interrupting		DC Interrupting	Typical DC Cold	Typical	Typical		
Code	Ra	ating Rating*		Rating	Resistance**	Melting I <sup>2</sup> t†	Voltage	
	AC	DC	250V	125V	125V	(ohms)	AC	Drop‡
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

<sup>\*</sup> 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)

<sup>\*\*</sup> DC Cold Resistance (Measured at ≤10% of rated current)

<sup>†</sup> Typical Melting I²t (A²Sec) (I²t was measured at listed interrupting rating and rated voltage)

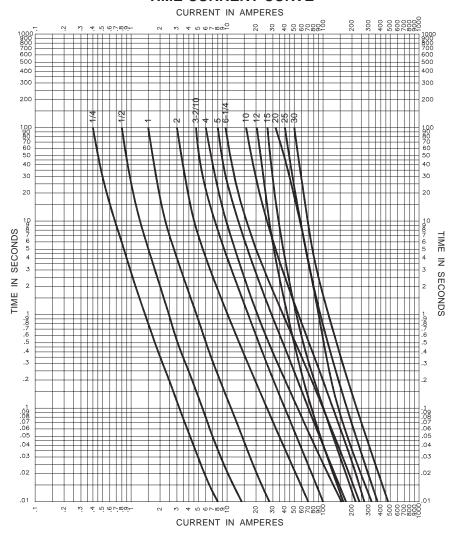
<sup>‡</sup> Typical Voltage Drop (Voltage drop was measured at 25°C ambient temperature at rated current)





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

### TIME CURRENT CURVE



OPTION CODE			
Option Code	Description		
В	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		



OC-2545 10/01

Visit us on the Web at www.cooperET.com

© Cooper Electronic Technologies 2001 3601 Quantum Boulevard Boynton Beach, Florida 33426-8638 Tel: +1-561-752-5000 Toll Free: +1-888-414-2645 Fax: +1-561-742-1178

This bulletin is intended to present product design solutions and technical information that will help the end user with design applications. Cooper Electronic Technologies reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Cooper Electronic Technologies also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.