



## **Subminiature Through Hole** MCRW Series, Fast Acting, Wire-in-Air

### Description

- Axial Leaded
- Fast Acting, Wire-in-Air Design
- Tin-lead Plated Copper Lead Wires
- High Temperature Epoxy Plastic Body, UL 94 VO
- Interrupt 50 amperes at 125 VAC
- Low resistance values

ELECTRICAL CHARACTERISTICS		
% of Amp Rating Opening Time		
100%	4 hours minimum	
200%	5 seconds maximum	

#### **Agency Information**

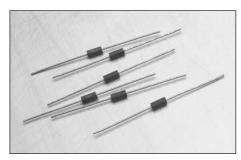
- UL Recognition Guide & File numbers: JDYX2 & E195337.
- CSA Certification Record No: LR 701159 & Class No: 1422 30 and 1422 01.

#### **Environmental Data**

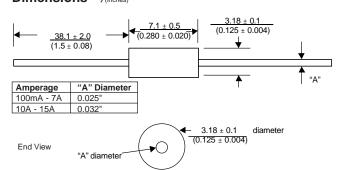
- Shock Resistance: MIL-STD-202, Method 213, Test Condition 1 (Sawtooth)
- Vibration Resistance: MIL-STD-202, Method 201 (10-55 Hz x 3 axis/ no load)
- Moisture Resistance: MIL-STD-202F, Method 106
- Soldering Heat Resistance: 260°C, 10 seconds per
- Salt Spray: MIL-STD-202, Method 101, Test Condition B (48 Hours)

#### **Ordering**

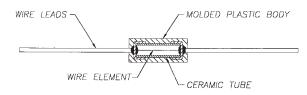
Specify product code and packaging code



Dimensions mm/(inches)



#### Construction



#### **Soldering Method**

• Heat Resistance: 260°C, 10 sec per IEC 68-2-20

SPECIFICATIONS							
Product Code	Voltage Rating AC/DC		upting ting*	Resistance (ohms)** Typ.	Typical Melt I²t†	Typical Voltage Drop (V)‡	
MCRW100mA	125 V	50 A	300 A	15.5	0.0006	0.68	
MCRW125mA	125 V	50 A	300 A	2.2	0.0009	0.61	
MCRW150mA	125 V	50 A	300 A	1.6	0.0015	0.54	
MCRW200mA	125 V	50 A	300 A	1.2	0.002	0.48	
MCRW250mA	125 V	50 A	300 A	0.85	0.004	0.43	
MCRW300mA	125 V	50 A	300 A	0.62	0.008	0.39	
MCRW375mA	125 V	50 A	300 A	0.49	0.012	0.35	
MCRW500mA	125 V	50 A	300 A	0.33	0.023	0.31	
MCRW750mA	125 V	50 A	300 A	0.19	0.056	0.25	
MCRW1A	125 V	50 A	300 A	0.13	0.10	0.22	
MCRW1.5A	125 V	50 A	300 A	0.07	0.25	0.18	
MCRW2A	125 V	50 A	300 A	0.054	0.27	0.24	
MCRW2.5A	125 V	50 A	300 A	0.041	0.50	0.22	
MCRW3A	125 V	50 A	300 A	0.031	0.9	0.20	
MCRW4A	125 V	50 A	300 A	0.023	1.6	0.19	
MCRW5A	125 V	50 A	300 A	0.018	3	0.17	
MCRW7A	125 V	50 A	300 A	0.012	7	0.15	
MCRW10A	125 V	50 A	300 A	0.007	21	0.098	
MCRW12A	125 V	50 A	300 A	0.006	35	0.093	
MCRW15A	125 V	50 A	300 A	0.004	63	0.088	

AC Interrupting Rating (Measured at designated voltage, 100%) DC Interrupting Rating (Measured at designated voltage, rise time of less than 50 microseconds, battery source)

DC Cold Resistance (Measured at 10% of rated current)
Typical Melting I²t (Measured with a battery bank at rated DC voltage, 10x-rated current, rise time of calibrated circuit less than 50 microseconds)

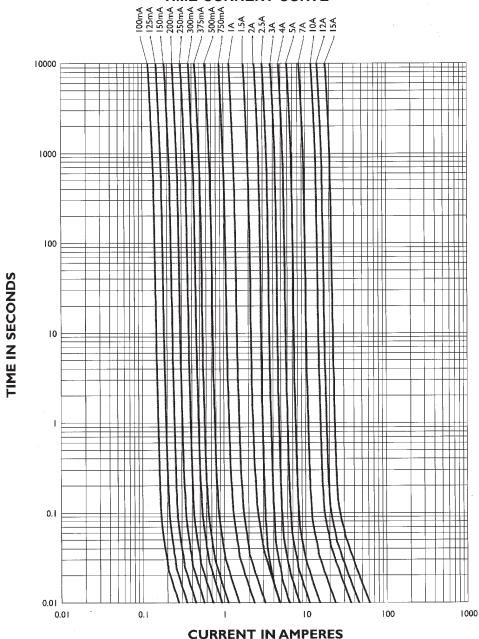
Typical Voltage Drop (Measured at rated current after temperature stabilizes)





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## TIME CURRENT CURVE



PACKAGING CODE				
Packaging Code	Description			
BK1	1,000 pieces in bulk			
TR1	2,500 pieces on tape-and-reel per EIA-296-E @ 5 mm pitch and 52.4mm inside tape spacing			



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