



# **Subminiature Through Hole** MCRS Series, Slow Blow, Wire-in-Air

## **Description**

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

ELECTRICAL CHARACTERISTICS		
% of Amp Rating	Opening Time	
100%	4 hours minimum	
200%	30 seconds maximum	

### **Agency Information**

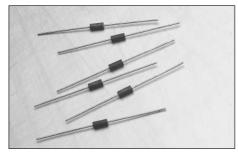
- UL Recognition Guide & File numbers: JDYX2 & E195337.
- CSA Certification Record No: LR 701159 & Class No: 1422 30 and 1422 01.

#### **Environmental Data**

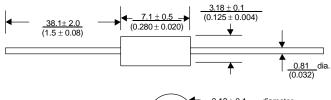
- Shock Resistance: MIL-STD-202, Method 213, Test Condition 1 (Sawtooth)
- Vibration Resistance: MIL-STD-202, Method 201 (10-55 Hz x 3 axis/ no load)
- Moisture Resistance: MIL-STD-202F, Method 106
- Soldering Heat Resistance: 260°C, 10 seconds per IEC 68-2-20
- Salt Spray: MIL-STD-202, Method 101, Test Condition B (48 Hours)

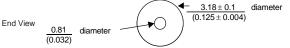
### **Ordering**

Specify product code and packaging code

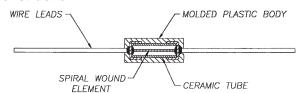


Dimensions mm/(inches)





#### Construction



#### **Soldering Method**

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

SPECIFICATIONS						
Product Code			upting ing*	Resistance (ohms)**	Typical Melt	Typical Voltage
	AC/DC	AC	DC	Тур.	l²t†	Drop (V)‡
MCRS250mA	125 V	50 A	300 A	3.20	0.042	2.20
MCRS300mA	125 V	50 A	300 A	2.57	0.056	2.02
MCRS375mA	125 V	50 A	300 A	1.66	0.101	1.69
MCRS500mA	125 V	50 A	300 A	1.07	0.18	1.42
MCRS750mA	125 V	50 A	300 A	0.55	0.44	1.09
MCRS1A	125 V	50 A	300 A	0.36	0.78	0.91
MCRS1.25A	125 V	50 A	300 A	0.23	1.41	0.77
MCRS1.5A	125 V	50 A	300 A	0.18	1.9	0.7
MCRS2A	125 V	50 A	300 A	0.12	3.4	0.59
MCRS2.5A	125 V	50 A	300 A	0.08	6.1	0.5
MCRS3A	125 V	50 A	300 A	0.06	8.1	0.45
MCRS4A	125 V	50 A	300 A	0.04	15	0.38
MCRS5A	125 V	50 A	300 A	0.02	35	0.29
MCRS7A	125 V	50 A	300 A	0.01	63	0.25

<sup>\*</sup> AC Interrupting Rating (Measured at designated voltage, 100%) DC Interrupting Rating (Measured at designated voltage, rise time of less than 50 microseconds, battery source)

designated voltage, rise time of less than 50 microseconds, battery source)

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

<sup>†</sup> Typical Melting I't (Measured with a battery bank at rated DC voltage, 10x-rated current, rise time of calibrated circuit less than 50 microseconds)

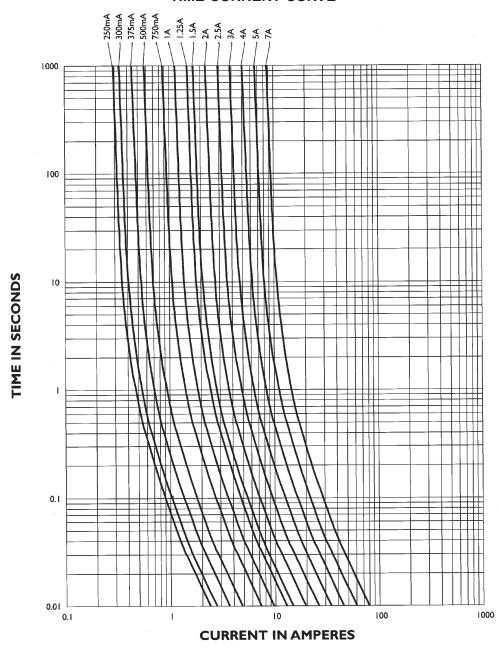
Typical Voltage Drop (Measured at rated current after temperature stabilizes)





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# TIME CURRENT CURVE



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



OC-2535 Rev. A 5/03

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