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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 "m/(inches)





Soldering Method

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

SPECIFICATIONS								
Product Code	Voltage Rating	Interrupting Rating*		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		

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 I*(Measured with a battery bank at rated DC voltage, 10x-rated current, rise time of calibrated circuit less than 50 microseconds) t

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



Subminiature Through Hole

MCRS Series, Slow Blow, Wire-in-Air



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			

COOPER Bussmann

 OC-2535 Rev. A 5//3
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