



#### Description

- Surface Mount
- Environmentally rugged, satisfies the EIA/IS-722 Standard
- Solder Immersion Compatible
- Targeted for Consumer Electronics

ELECTRICAL CHARACTERISTICS					
% of Amp Rating	Opening Time				
100%	4 Hours Minimum				
200% (250mA-5A)	5 Seconds Maximum				
250% (250mA-5A fuse)	1 Second Maximum				
200% (7A-15A fuse)	20 Seconds Maximum				
250% (7A-15A fuse)	4 Seconds Maximum				

Note: 30vde constant current source required for 200% overload tests on 250ma-1a.

#### Agency Information

- UL Recognition Guide & File numbers: JDYX2 & E19180 (250mA - 15A)
- CSA Component Acceptance: File # 053787 C000, Class # 1422 30

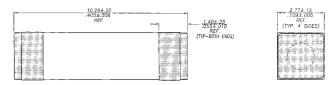
#### **Environmental Data**

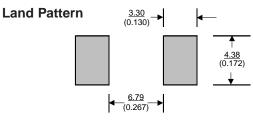
- Life Test: MIL-STD-202, Method 108A, Test Condition D
- Load Humidity: MIL-STD-202, Method 103B
- Moisture Resistance: MIL-STD-202, Method 106E
- •
- Terminal Strength: MIL-STD-202, Method 211A Thermal Shock: MIL-STD-202, Method 107D, air-to-air •
- Case Resistance: EIA/IS-722 ٠
- Resistance to Dissolution of Metallization: • ANSI J-STD-002, Test D
- · Mechanical Shock: MIL-STD-202, Method 213B with exceptions per EIA/IS-722 Standard
- High Frequency Vibration: MIL-STD-202, Method 204D, Test Condition D
- Resistance to Solvents: MIL-STD-202, Method 215A



### Dimensions mm/(inches)

Drawing Not to Scale





#### **Soldering Method**

- Wave Solder: 260°C, 10 sec max.
- Infrared Reflow: 260°C, 30 sec max.

#### Orderina

Specify product code and packaging code

SPECIFICATIONS										
_	Volt	-	In	terruptin	g	DC Cold	Typical	Typical	Marl	•
Product Code	Rat	ing	Rating*		Resistance** (ohms)	Melting	Voltage	Code‡‡		
	AC	DC	250VAC	125VDC	60VDC	Typical	l²t†	Drop‡	1 <sup>st</sup> & 2 <sup>nd</sup>	3 <sup>rd</sup>
1025FA250mA	250V	125V	50A	50A	-	5.0000	0.1212	2019 mV	AD	
1025FA500mA	250V	125V	50A	50A	-	1.2000	0.0415	1500 mV	AF	
1025FA750mA	250V	125V	50A	50A	-	0.6000	0.143	880 mV	AG	
1025FA1A	250V	125V	50A	50A	-	0.3000	1.750	560 mV	AH	
1025FA1.5A	250V	125V	50A	50A	-	0.1040	1.460	260 mV	AK	
1025FA2A	250V	125V	50A	50A	-	0.0800	6.086	258 mV	AN	U,
1025FA2.5A	250V	125V	50A	50A	-	0.0510	8.48	232 mV	AO	О, Т
1025FA3A	250V	125V	50A	50A	-	0.0390	18.15	205 mV	AP	or
1025FA3.5A	250V	125V	50A	50A	-	0.0300	17.83	185 mV	AR	S
1025FA4A	250V	125V	50A	50A	-	0.0270	23.32	190 mV	AS	3
1025FA5A	250V	125V	50A	50A	-	0.0200	38.74	180 mV	AT	
1025FA7A	250V	60V	50A	50A	-	0.0116	138	150 mV	AU	
1025FA10A	250V	60V	50A	50A	-	0.0076	457	146 mV	AW	
1025FA12A	250V	60V	50A	-	50A	0.0550	498	120 mV	AX	
1025FA15A	250V	60V	50A	-	50A	0.0041	1451	110 mV	AY	

AC Interrupting Rating (Measured at designated voltage, 100% power factor random closing); DC Interrupting Rating (Measured at designated voltage, time constant of less than 50 microseconds, battery source) DC Cold Resistance (Measured at <10% of rated current) \*\*

Typical Melting I't (Measured with a battery bank at rated DC voltage, 10x-rated current, but not exceeding the interrupting rating. Time constant of calibrated circuit less + than 50 microseconds). Test current not to exceed interrupting rating of 50A. Typical Voltage Drop (Measured at rated current after temperature stabilizes)

<sup>+</sup> Marking Code - 3<sup>rd</sup> (U = USA, T = Taiwan and S = China)

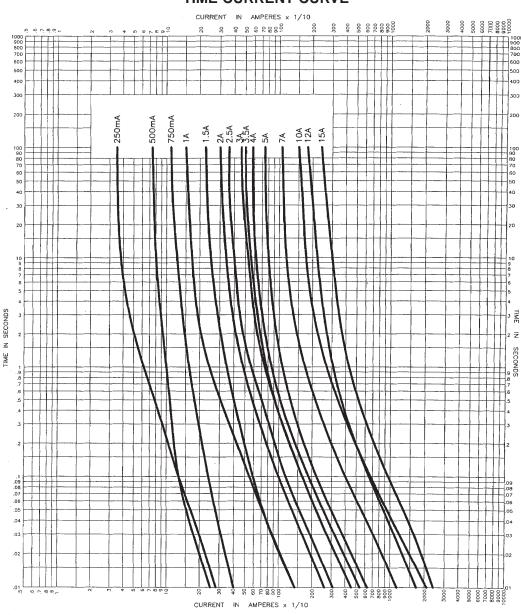
• Device designed to carry rated current for four hours minimum. An operating current of 80% or less of rated current is recommended, with further derating required at elevated ambient temperatures





Brick<sup>™</sup> Fuses 1025FA Series, Fast Acting

# **COOPER** Bussmann



TIME	CURRENT	
	CURRENT	CURVE

PACKAGING CODE				
2,500 pieces of fuses on 24mm tape-and-reel on 13 inch (330mm) reel per EIA Standard 481				
ard				

## COOPER Bussmann

#### OC-2538 Rev. X6 5/03 Visit us on the Web at www.cooperET.com

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