

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%	1 Second Minimum
200%	60 Seconds Maximum
250% *	10 Seconds Maximum

* If fuse does not open @ 200% in 60 seconds, raise current to 250% and the fuse must open in 10 seconds maximum.

Agency Information

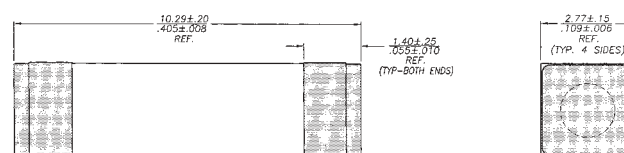
- UL Recognition Guide & File numbers: JDYX2 & E19180 (250mA - 5A)
- CSA Component Acceptance: File # 053787 C000, Class # 1422 30

Environmental Data

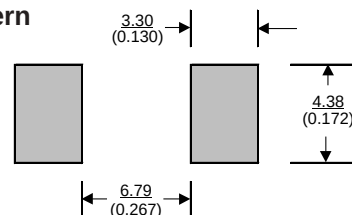
- Life Test: MIL-STD-202, Method 108A, Test Condition D
- Load Humidity: MIL-STD-202, Method 103B
- Moisture Resistance: MIL-STD-202, Method 106E
- Terminal Strength: MIL-STD-202, Method 211A
- Thermal Shock: MIL-STD-202, Method 107D, air-to-air
- Case Resistance: EIA/IS-722
- Resistance to Dissolution 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



Land Pattern



Ordering

- Specify product code and packaging code

Soldering Method

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

SPECIFICATIONS

Product Code	Voltage Rating		Interrupting Rating*		DC Cold Resistance** (ohms)			Typical Melting I ^{††}	Typical Voltage Drop‡	Marking Code‡‡	
	AC	DC	250VAC	125VDC	min.	typ.	max.			1 st & 2 nd	3 rd
1025TD250mA	250V	125V	50A	50A	3.500	4.200	4.900	0.128	1900 mV	DD	U, T or S
1025TD500mA	250V	125V	50A	50A	0.4650	0.5500	0.6500	1.47	455 mV	DF	
1025TD750mA	250V	125V	50A	50A	0.265	0.317	0.369	0.93	400 mV	DG	
1025TD1A	250V	125V	50A	50A	0.1700	0.2030	0.2350	9.91	387 mV	DH	
1025TD1.5A	250V	125V	50A	50A	0.0800	0.1025	0.1300	11.79	308 mV	DK	
1025TD2A	250V	125V	50A	50A	0.0560	0.0680	0.0800	17.27	278 mV	DN	
1025TD2.5A	250V	125V	50A	50A	0.0340	0.0420	0.0540	16.51	201 mV	DO	
1025TD3A	250V	125V	50A	50A	0.0280	0.0330	0.0380	42.74	184 mV	DP	
1025TD3.5A	250V	125V	50A	50A	0.0220	0.0270	0.0320	43.33	174 mV	DR	
1025TD4A	250V	125V	50A	50A	0.0200	0.0220	0.0240	66.96	152 mV	DS	
1025TD5A	250V	125V	50A	50A	0.0120	0.0160	0.0190	88.38	142 mV	DT	

* AC Interrupting Rating (Measured at designated voltage, 100% power factor random closing); DC Interrupting Rating (Measured at designated voltage, time constant of the calibrated circuit is less than 50 microseconds, battery source)

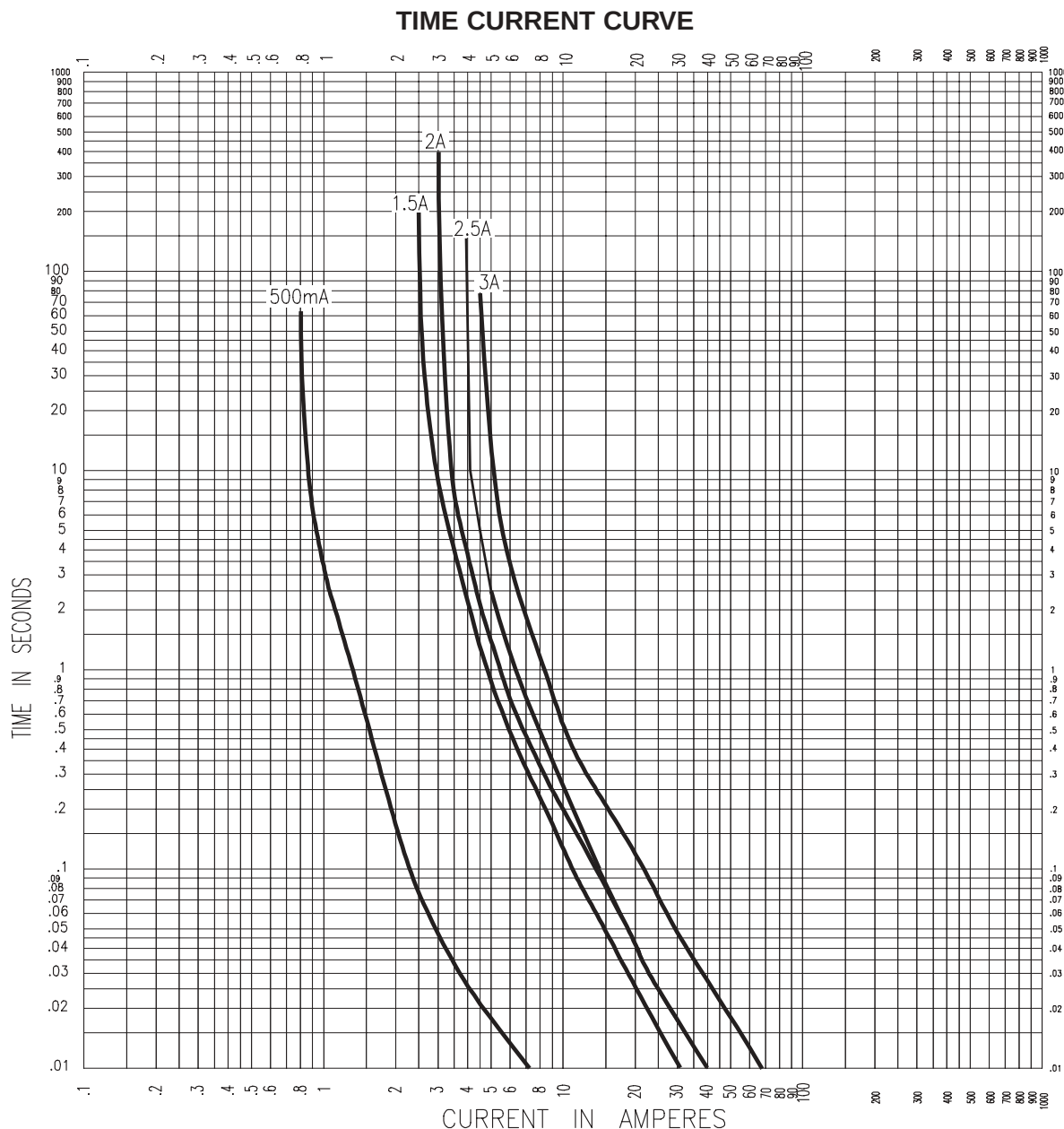
** DC Cold Resistance (Measured at ≤10% of rated current)

† Typical Melting I^{††} (Measured with a battery bank at rated DC voltage, 10x-rated current, time constant of calibrated circuit less than 50 microseconds)

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

‡‡ Marking Code - 3rd (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.



PACKAGING CODE	
Packaging Code	Description
SP1	50 piece sample
TR2	2,500 pieces of fuses on 24mm tape-and-reel on 13 inch (330mm) reel per EIA Standard 481