

### Description

- Small surface mount fuse, fast acting
- Environmentally rugged, complies with the EIA/IS-722 Standard
- Compatible with reflow and wave solder
- Board washable

ELECTRICAL CHARACTERISTICS	
% of Amp Rating	Opening Time
100%	4 Hours Minimum
200%	60 Seconds Maximum

### Agency Information

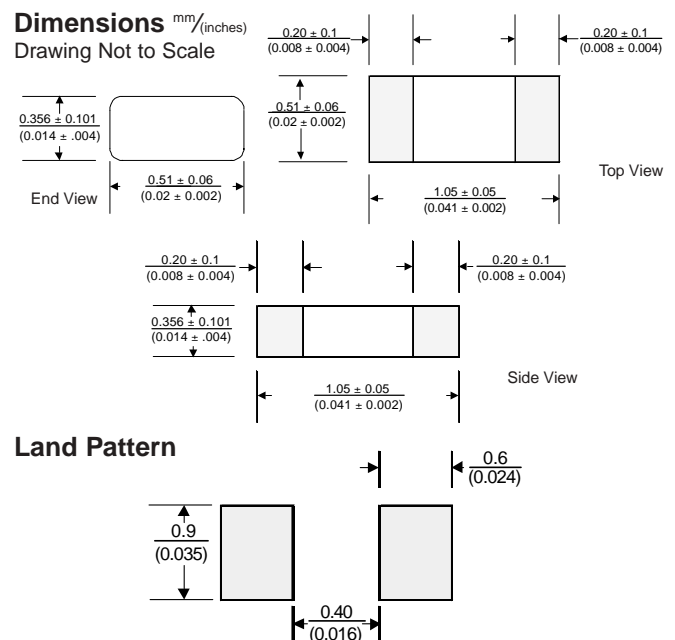
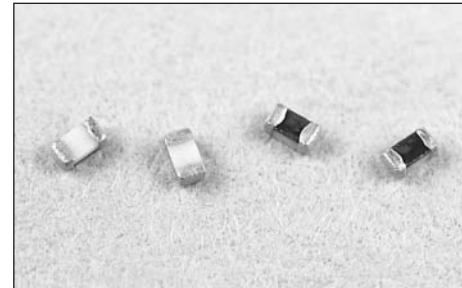
- UL Recognition Guide & File numbers: JDYX2 & E19180
- CSA Certification Record: 053787C & Class No. 1422 30

### 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

### Ordering

- Specify product code and packaging code



### Soldering Method

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

## SPECIFICATIONS

Product Code	Voltage Rating (DC)	Interrupting Rating* 24V DC	Resistance (ohms)** Typ.	Typical Melt I <sup>2</sup> t†	Typical Voltage Drop (V)‡	Color Code Cover / Stripe
0402FA500mA	24V	35A	TBD	TBD	TBD	Blue
0402FA750mA	24V	35A	TBD	TBD	TBD	Blue/White
0402FA1A	24V	35A	TBD	TBD	TBD	Brown
0402FA1.25A	24V	35A	TBD	TBD	TBD	Brown/Black
0402FA1.5A	24V	35A	0.094	0.0064	0.183	Brown/White
0402FA2A	24V	35A	TBD	TBD	TBD	Black
0402FA2.5A	24V	35A	TBD	TBD	TBD	Black/White
0402FA3A	24V	35A	TBD	TBD	TBD	Violet

\* DC Interrupting Rating (Measured at designated voltage, time constant of the calibrated circuit is less than 50 microseconds, battery source)

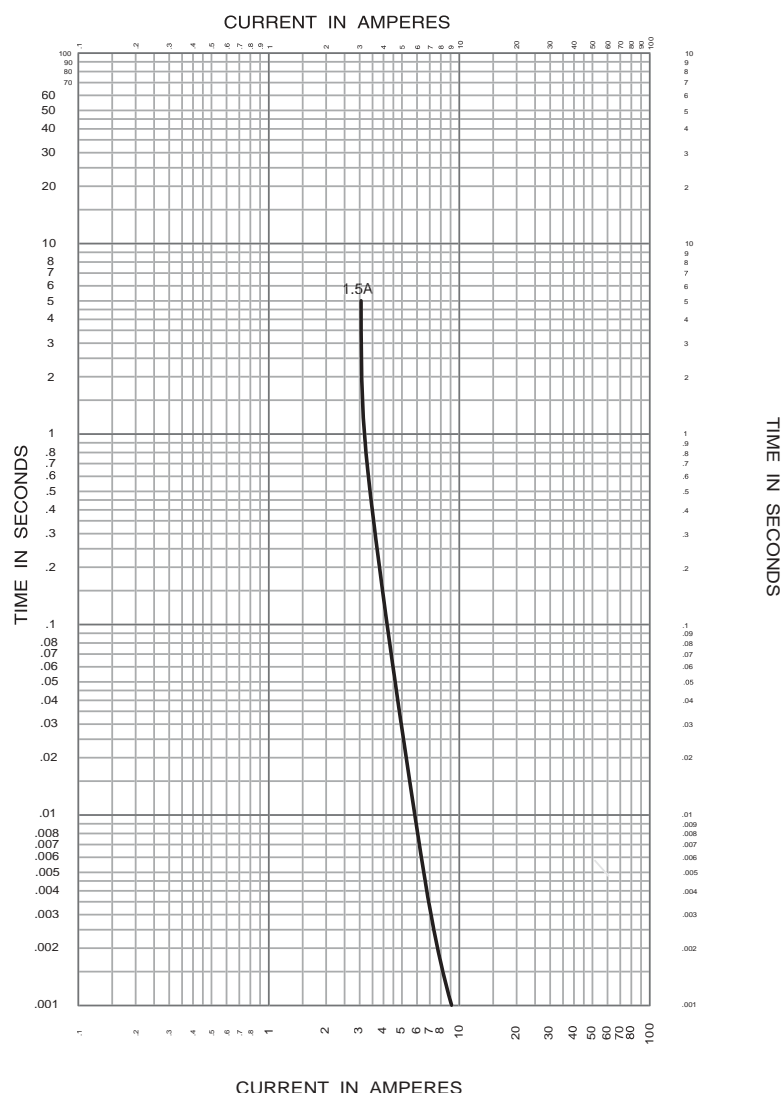
\*\* DC Cold Resistance (Measured at  $\leq 10\%$  of rated current)

† Typical Melting I<sup>2</sup>t (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)

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.

# TIME CURRENT CURVE



## PACKAGING CODE

Packaging Code	Description
SP	50 piece sample
TR1	10,000 pieces of fuses on 8mm tape-and-reel on a 7 inch (178mm) reel per EIA Standard 481