

Description

- Rapid interruption of excessive current
- Compatible with reflow and wave solder
- Rugged ceramic and glass construction
- Excellent environmental integrity
- One time positive disconnect

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

Agency Information

- UL Recognition Card: JDYX2, E19180
- CSA Component Acceptance Card: 053787 C 000, Class Number 1422 30

Environmental Data

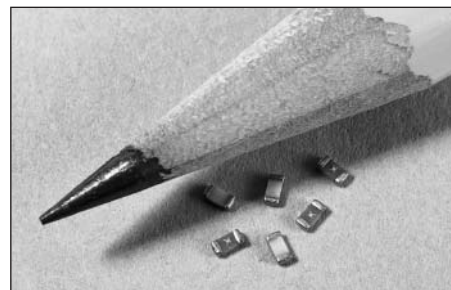
- Life Test: MIL-STD-202, Method 108A
- Load Humidity Test: MIL-STD-202, Method 103B
- Moisture Resistance Test: MIL-STD-202, Method 106E
- Terminal Strength Test: Downward force is applied to cause a 1mm deflection for 1 minute
- Thermal Shock Test: MIL-STD-202, Method 107D
- Solderability: ANSI/J-STD-002
- Mechanical Shock Test: MIL-STD-202, Method 213B
- High Frequency Vibration Test: MIL-STD-202, Method 204D
- Resistance to Solvents Test: MIL-STD-202, Method 215A

Ordering

- Specify product code and packaging code

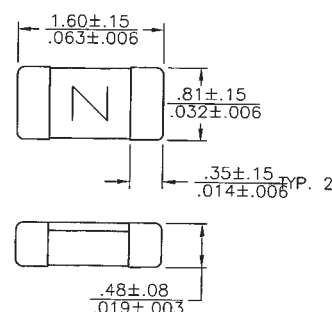
Soldering Method

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

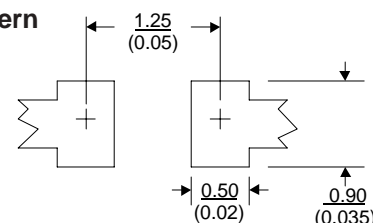


Dimensions ^{mm/(inches)}

Drawing Not to Scale



Land Pattern



SPECIFICATIONS

Product Code	Voltage Rating DC	Interrupting Rating at Rated Voltage*	DC Cold Resistance** (ohms)			Typical Melting I _t ***	Typical Voltage Drop†	Alpha Code Marking‡
			min.	typ.	max.			
0603FA250mA	32V	50A	2.500	3.500	4.500	0.0004	0.974	D
0603FA375mA	32V	50A	1.350	1.775	2.200	TBD	0.912	E
0603FA500mA	32V	50A	0.900	1.125	1.350	TBD	0.616	F
0603FA750mA	32V	50A	0.400	0.550	0.700	0.0030	0.451	G
0603FA1A	32V	50A	0.100	0.150	0.200	0.0025	0.211	H
0603FA1.25A	32V	35A	0.085	0.108	0.130	0.0130	0.151	J
0603FA1.5A	32V	35A	0.062	0.086	0.110	0.0319	0.138	K
0603FA2A	32V	35A	0.038	0.051	0.063	0.0491	0.116	N
0603FA2.5A	24V	35A	0.026	0.037	0.047	0.0625	0.113	O
0603FA3A	24V	35A	0.020	0.028	0.035	0.0699	0.110	P
0603FA3.5A	24V	35A	0.017	0.022	0.027	0.1200	0.103	R
0603FA4A	24V	35A	0.013	0.017	0.020	0.2430	0.097	S
0603FA5A	24V	35A	0.008	0.011	0.013	0.6950	0.090	T

* 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)

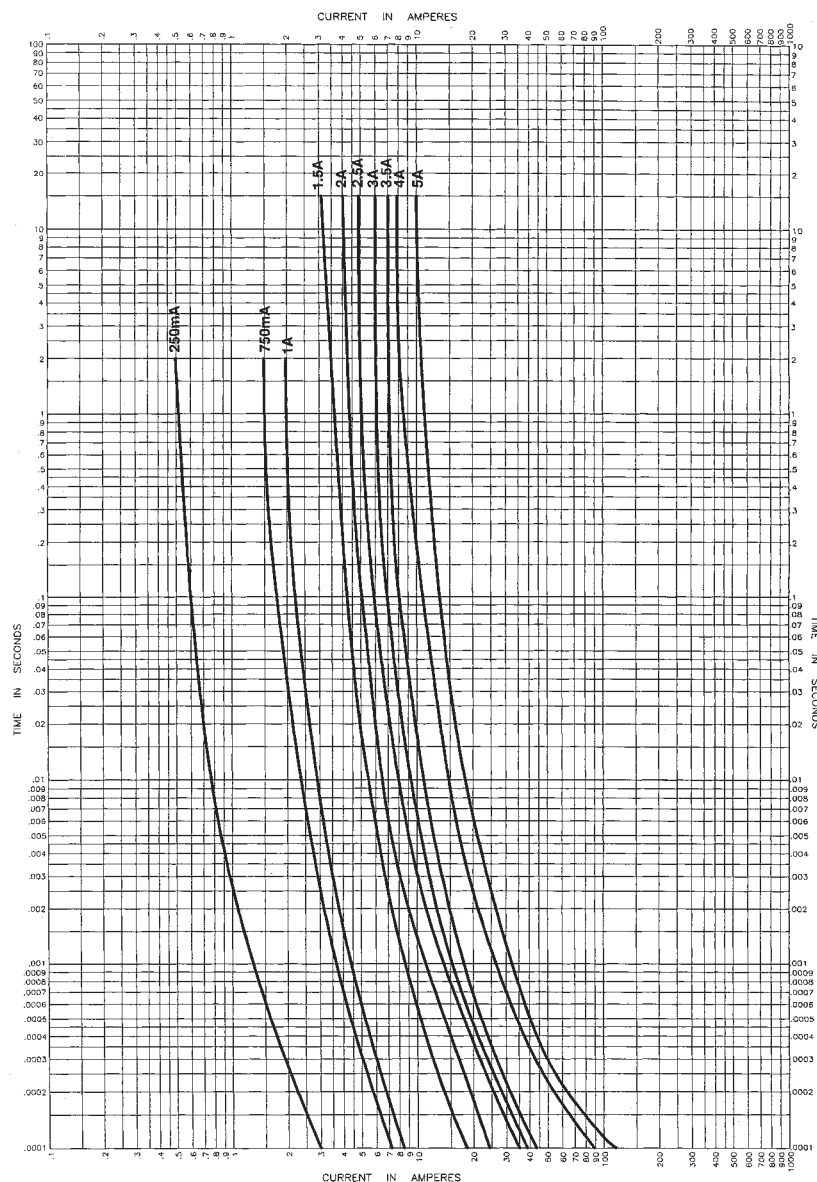
*** Typical Melting I_t (Measured with a battery bank at rated DC voltage, 10x-rated current, not to exceed I_R, time constant of calibrated circuit less than 50 microseconds) (0603FA4A and 5A measured at interrupting rating)

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

‡ Alpha code to be marked on the top of fuse body for all ratings

• 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 pack
TR	5,000 pieces of fuses in paper tape and reeled on a 178mm (7 inch) reel per EIA Standard 481-1