

Description

- Surface mount fuse, fast acting
- Compatible with reflow and wave solder
- Excellent environmental integrity
- One time positive disconnect
- Low profile 1206 / 3216 design
- Alpha marked and orientated facing up in the carrier
- Solder-free design provides excellent on-off and temperature cycling
- Heat and shock tolerant

ELECTRICAL CHARACTERISTICS	
% of Amp Rating	Opening Time
100%	4 Hours Minimum
200%	5 Seconds Maximum

Approvals

- UL Recognition Guide & File numbers: JDYX2, E19180 (250mA - 3A)
- CSA Certification Record: LR 53787-102C & Class No. 1422 30

Environmental Data

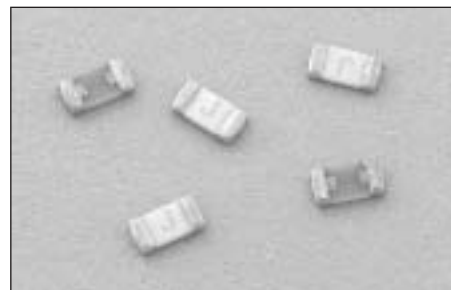
- Thermal Shock: MIL-STD-202, Method 107, Test Condition B (-65°C to 125°C)
- Vibration: MIL-STD-202, Method 204, Test Condition C (55 to 2000 Hz, 10G)
- Moisture Resistance: MIL-STD-202, Method 106, 10 day cycle
- Solderability: ANSI/J-STD-002, Test B

Ordering

- Specify product code and packaging code

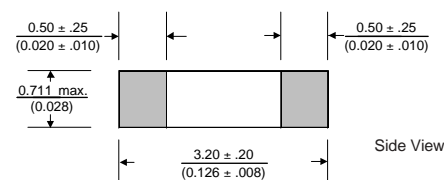
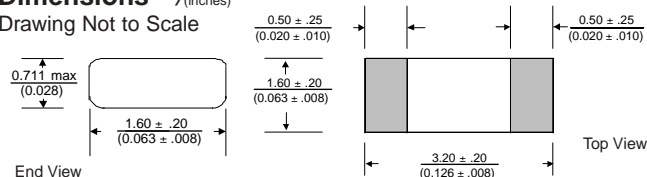
Soldering Method

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

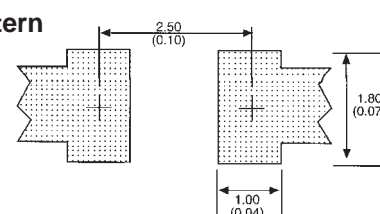


Dimensions ^{mm/(inches)}

Drawing Not to Scale



Land Pattern



SPECIFICATIONS

Product Code	Voltage Rating DC	Interrupting Rating at Rated Voltage*	DC Cold Resistance** (ohms)			Typical Melting I ² t†	Typical Voltage Drop‡	Alpha Code Marking‡‡
			min.	typ.	max.			
1206FA250mA	63V	50A	TBD	TBD	TBD	TBD	TBD	D
1206FA375mA	63V	50A	TBD	TBD	TBD	TBD	TBD	E
1206FA500mA	63V	50A	TBD	TBD	TBD	TBD	TBD	F
1206FA750mA	63V	50A	TBD	TBD	TBD	TBD	TBD	G
1206FA1A	63V	50A	TBD	TBD	TBD	TBD	TBD	H
1206FA1.25A	48V	50A	TBD	TBD	TBD	TBD	TBD	J
1206FA1.5A	48V	50A	0.075	0.713	1.35	TBD	TBD	K
1206FA2A	48V	50A	0.045	0.059	0.072	TBD	TBD	N
1206FA2.5A	32V	35A	0.035	0.044	0.052	TBD	TBD	O
1206FA3A	32V	35A	TBD	TBD	TBD	TBD	TBD	P
1206FA4A	24V	35A	TBD	TBD	TBD	TBD	TBD	S
1206FA5A	24V	35A	TBD	TBD	TBD	TBD	TBD	T
1206FA7A	24V	35A	TBD	TBD	TBD	TBD	TBD	U

* 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)

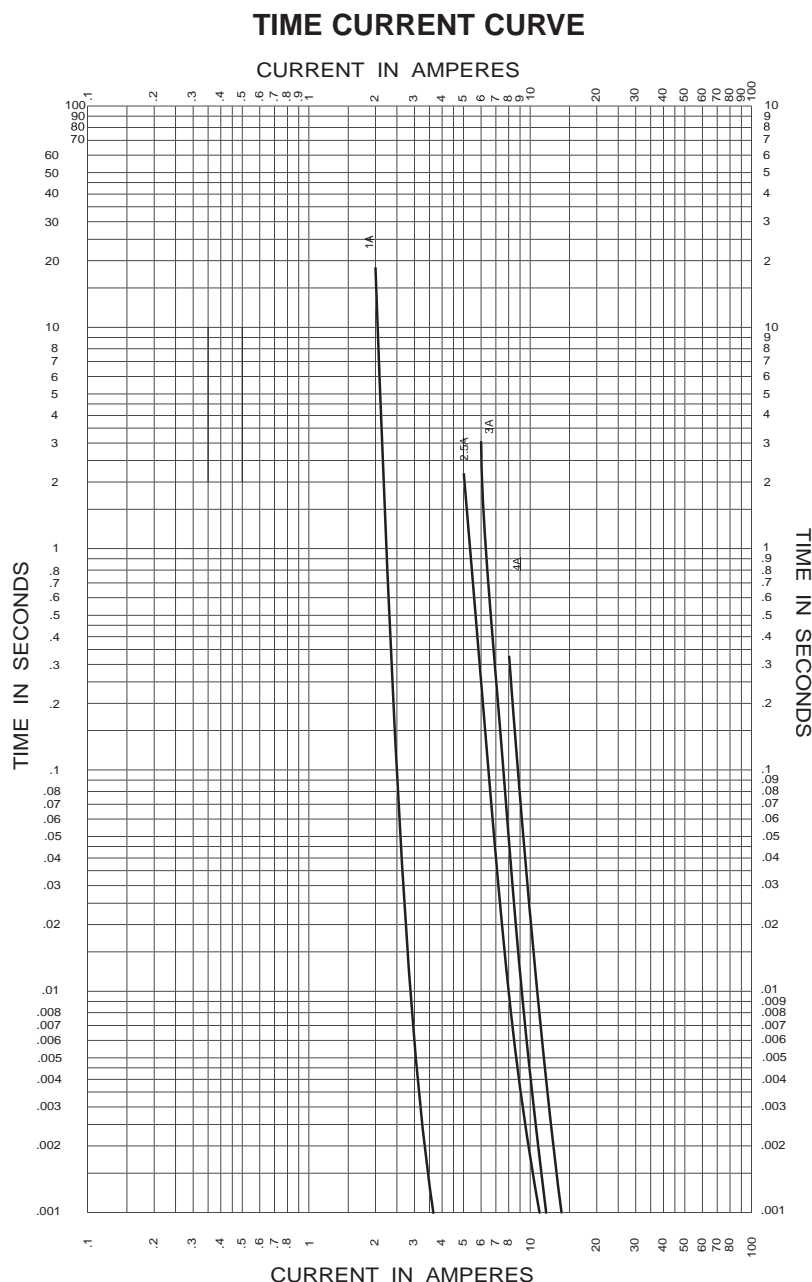
† Typical Melting I²t (Measured with a battery bank at rated DC voltage, 10x-rated current, time constant of calibrated circuit less than 50 microseconds)

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

‡‡ Alpha code to be marked on the top (white) side of the fuse body for all ratings.

It is recommended that fuses be mounted ceramic (white) side facing up.

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
SP	50 pieces of fuses on 8mm tape packaged in a plastic box per EIA Standard 481
TR	3,000 pieces of fuses on 8mm tape-and-reel on a 7 inch (178mm) reel per EIA Standard 481
TR1	15,000 pieces of fuses on 8mm tape-and-reel on 13 inch (330mm) reel per EIA Standard 481