

Description

- Low resistance
- Low profile 0603/1608 design
- Pb-free
- Polymer matrix design
- One time positive disconnect
- Ampere rating marked on both sides, dual orientation
- Compatible with leaded and lead-free reflow and wave solder



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

Agency Information

- UL Recognition Card: JDYX2, E19180

Environmental Data

- Life Test: MIL-STD-202, Method 108A, Test Condition C
- Load Humidity: MIL-STD-202, Method 103B
- Moisture Resistance: MIL-STD-202, Method 106G
- Thermal Shock: MIL-STD-202, Method 107D
- Solderability: ANSI/J-STD-002, Test B
- Mechanical Shock: MIL-STD-202, Method 213B, Condition A
- High Frequency Vibration: MIL-STD-202, Method 204D, Condition D

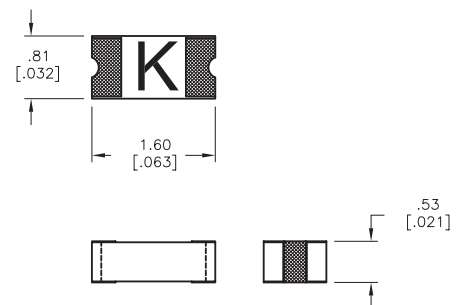
Packaging

- 5,000 pieces; paper tape; 178mm (7 inch) reel; per EIA Standard 481-1

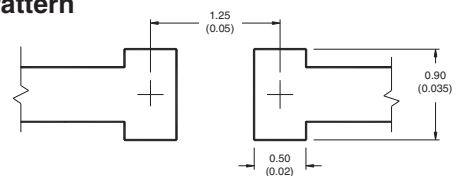
Ordering

- Specify product code (no prefix or suffix necessary)

Dimensions mm/(inches)



Land Pattern



Soldering Method

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

SPECIFICATIONS

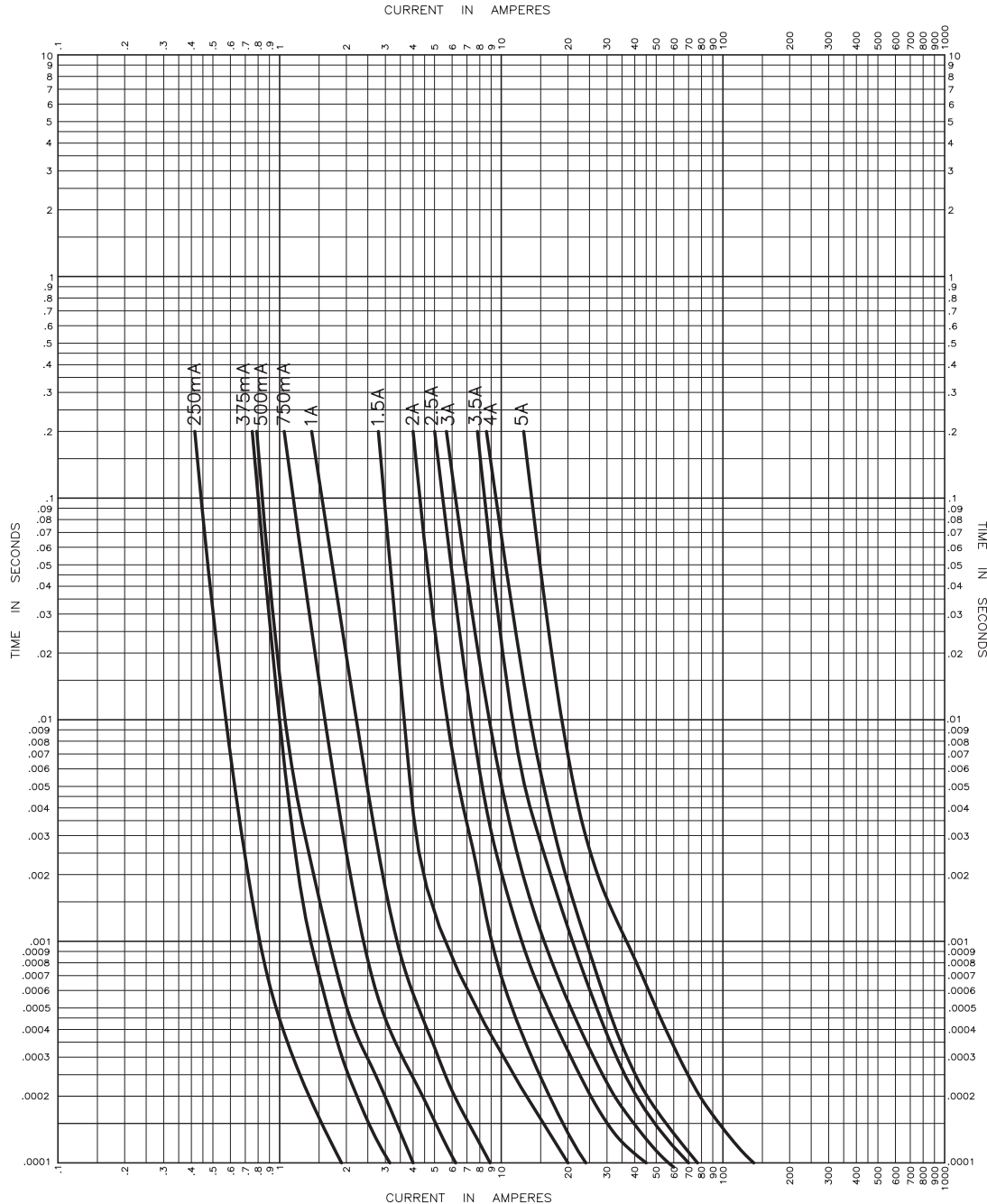
Product Code	Voltage Rating AC/DC	Interrupting Rating @ Rated Voltage*	Typical DC Cold Resistance (ohms)**	Typical Melting I ² t (A ² s)***	Alpha Code
PC06F250MA	32V	50A	0.374	0.00035	D
PC06F375MA	32V	50A	0.215	0.00060	E
PC06F500MA	32V	50A	0.143	0.00128	F
PC06F750MA	32V	50A	0.088	0.00291	G
PC06F1A	32V	50A	0.065	0.00616	H
PC06F1.5A	32V	50A	0.042	0.02565	K
PC06F2A	32V	50A	0.027	0.03968	N
PC06F2.5A	32V	50A	0.021	0.10139	O
PC06F3A	32V	50A	0.018	0.15778	P
PC06F3.5A	32V	50A	0.014	0.25844	R
PC06F4A	32V	50A	0.012	0.27034	S
PC06F5A	32V	50A	0.008	0.90068	T

* DC Interrupting Rating is measured at designated voltage, time constant of less than 50 microseconds, battery source.

** DC cold resistance is measured at less than 10% of rated current.

*** Melting I²t is measured with a battery back at rated DC voltage, at the lesser of either 10 times rated current or the interrupting rating with a time constant of less than 50 microseconds.

TIME CURRENT CURVE



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