

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number:	PC06F1A
Manufacturer:	Eaton - Electronics Division
Package:	Tape & Reel (TR), Cut Tape (CT), Digi-Reel®
Availability:	Please confirm with sales

Product Page:

<https://antrexco.com/product/details/eaton-electronics-division/pc06f1a.html>

Request a Quote:

[Submit RFQ for this part](#)



Scan for product page

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Quality & Trust

New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

Note:

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.

Description

- Low resistance
- Low profile 0603/1608 design
- Pb-free and RoHS Compliant
- High inrush withstand capability
- 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

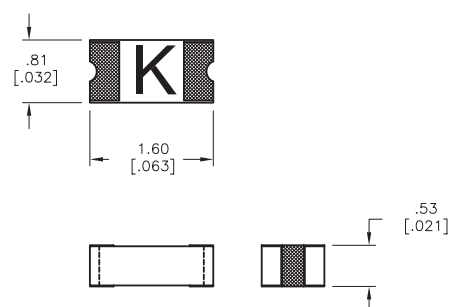
- Life Test: MIL-STD-202, Method 108A, Test Condition C
- Load Humidity: MIL-STD-202, Method 103B
- Moisture Resistance: MIL-STD-202, Method 106G
- Thermal Shock: MIL-STD-202, Method 107D
- Solderability: ANSI/J-STD-002, Test B
- Mechanical Shock: MIL-STD-202, Method 213B, Condition A
- High Frequency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

Packaging & Ordering Information

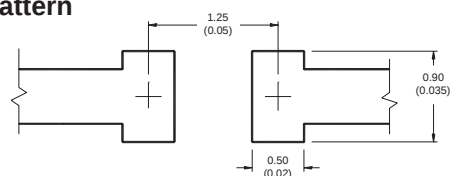
- 5,000 pieces; paper tape; 178mm (7 inch) reel; per EIA Standard 481-1
- Order by Product Code (no prefix or suffix necessary)



Dimensions mm/(inches)



Land Pattern



Soldering Method

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

SPECIFICATIONS

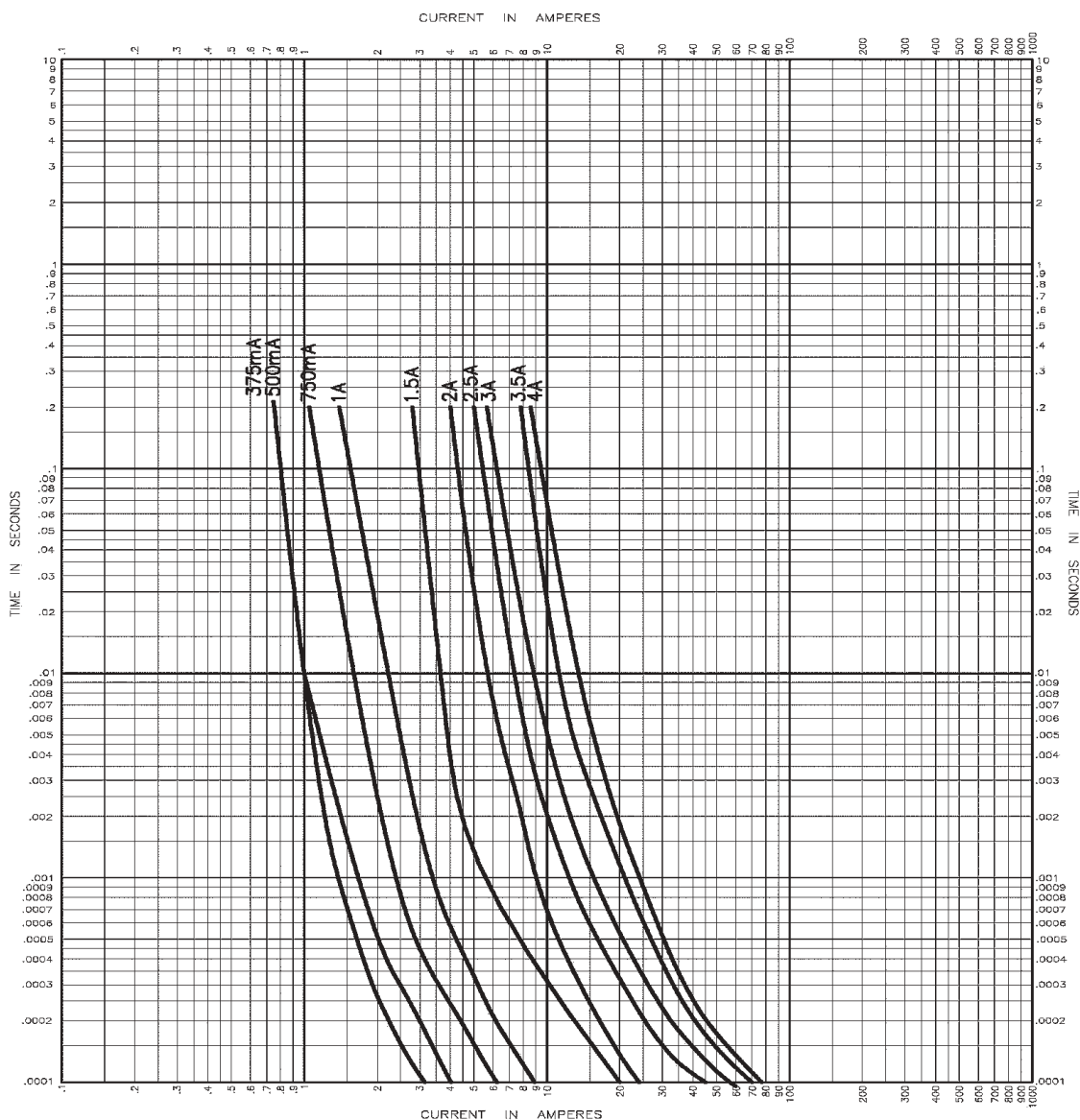
Product Code	Voltage Rating AC/DC	Interrupting Rating @ Rated Voltage*	Typical DC Cold Resistance (ohms)**	Typical Melting I ² t (A ² s)***	Alpha Code
PC06F500MA	32V	50A	0.143	0.00128	F
PC06F750MA	32V	50A	0.088	0.00291	G
PC06F1A	32V	50A	0.065	0.00616	H
PC06F1.5A	32V	50A	0.042	0.02565	K
PC06F2A	32V	50A	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

* 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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