

# Type F1206SM

## Fast Acting Surface Mount Fuse

### 1206 Package (3.2mm x 1.6mm)

### Solid Matrix® Design



www.optifuse.com (619) 593-5050

#### Features:

- Multilayer monolithic structure with glass ceramic body and silver fusing element
- Silver termination with nickel and pure-tin solder plating, providing excellent solderability
- Standard EIA1206 / EIAJ3216 size
- Compatible with both wave and reflow soldering processes
- Operating temperatures :  
-55°C ~ 125°C (with de-rating)
- RoHS compliant

#### Specifications:

##### Interrupt Rating (IR):

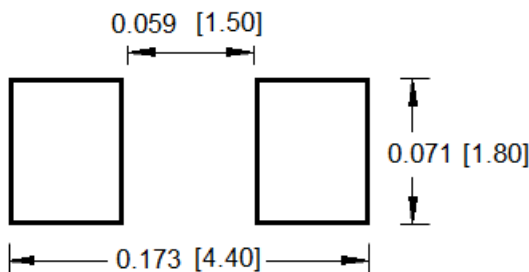
500mA - 3A    50A @ rated voltage  
4A - 8A        45A @ rated voltage

**Packaging Specifications:** 3,000 per Reel

Part Number	Rating Current	Marking	Rated Voltage (VDC)	Nominal Cold Resistance (Ohms)
F1206SM-500mA	500 mA	C	63	0.730
F1206SM-750mA	750 mA	D	63	0.513
F1206SM-1A	1A	E	63	0.220
F1206SM-1.5A	1.5A	G	63	0.120
F1206SM-1.75A	1.75A	H	63	0.100
F1206SM-2A	2A	I	63	0.050
F1206SM-2.5A	2.5A	J	32	0.035
F1206SM-3A	3A	K	32	0.031
F1206SM-4A	4A	M	32	0.022
F1206SM-5A	5A	N	32	0.015
F1206SM-6A	6A	O	24	0.013
F1206SM-7A	7A	P	24	0.011
F1206SM-8A	8A	R	24	0.008

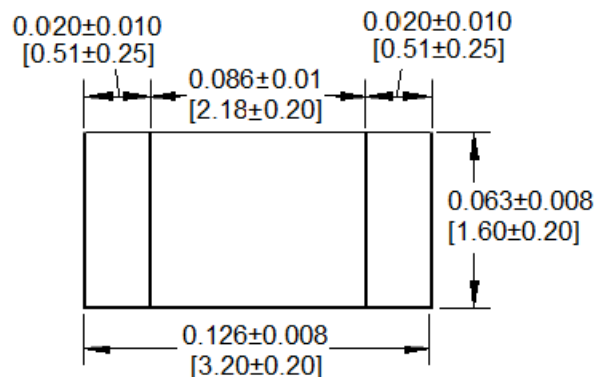
Time Characteristics		
100%	250%	350%
Min 4 hr.	Max 5 sec.	Max 50ms

#### Recommended Land Pattern:

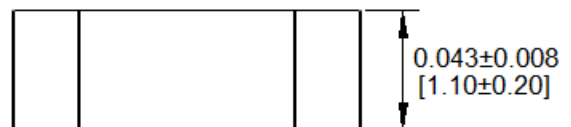


#### Mechanical Dimensions: Inches [mm]

##### Top View



##### Side View



#### Warning:



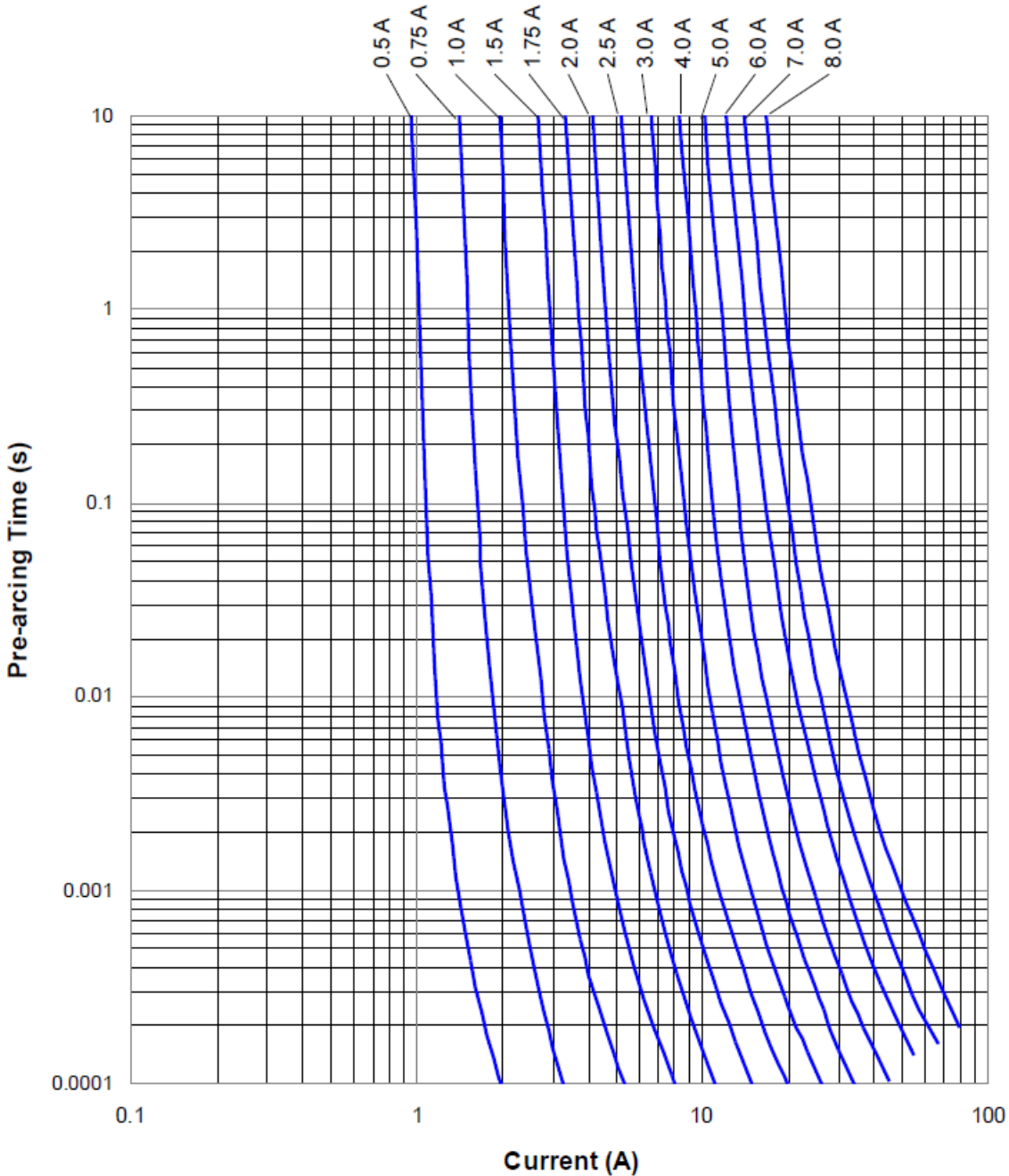
-Operation beyond the specified maximum ratings or improper use may result in damage and possible electrical arcing and/or flame.  
 -SMD are intended for occasional overcurrent protection. Application for repeated overcurrent condition and/or prolonged trip are not anticipated.  
 -Avoid contact of SMD with chemical solvent. Prolonged contact may damage the device performance.

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**Average Pre-arcing Time Curves**



Note: All specifications subject to change without notice.

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Average  $I^2t$  vs.  $t$  Curves

