

Type F0603SM
Fast Acting Surface Mount Fuse
0603 Package (1.6mm x 0.8mm)
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 EIA0603 / EIAJ1608 size
- Compatible with both wave and reflow soldering processes
- Operating temperatures :
 -55°C ~ 125°C (with de-rating)
- RoHS compliant

Part Number	Rating Current	Marking	Rated Voltage (VDC)	Nominal Cold Resistance (Ohms)
F0603SM-500mA	500mA	C	63	0.485
F0603SM-750mA	750mA	D	63	0.254
F0603SM-1A	1A	E	63	0.147
F0603SM-1.5A	1.5A	G	63	0.059
F0603SM-2A	2A	I	32	0.044
F0603SM-2.5A	2.5A	J	32	0.032
F0603SM-3A	3A	K	32	0.025
F0603SM-3.5A	3.5A	L	32	0.024
F0603SM-4A	4A	M	32	0.018
F0603SM-5A	5A	N	32	0.013
F0603SM-6A	6A	O	24	0.010

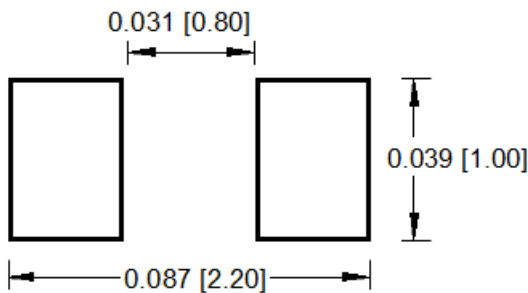
Specifications:

Interrupt Rating: 35A @ rated voltages

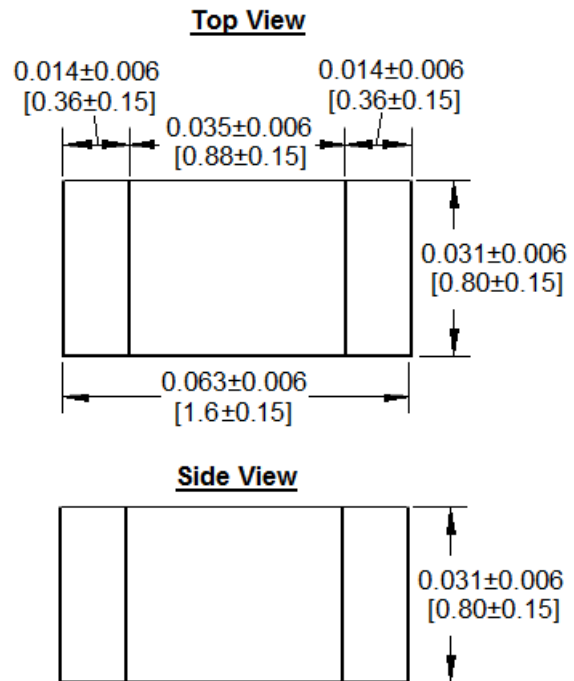
Packaging Specifications: 4,000 per Reel

Time Characteristics		
100%	250%	400%
Min 4 hr.	Max 5 sec.	Max 50 ms.

Recommended Land Pattern:



Mechanical Dimensions: Inches [mm]



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.

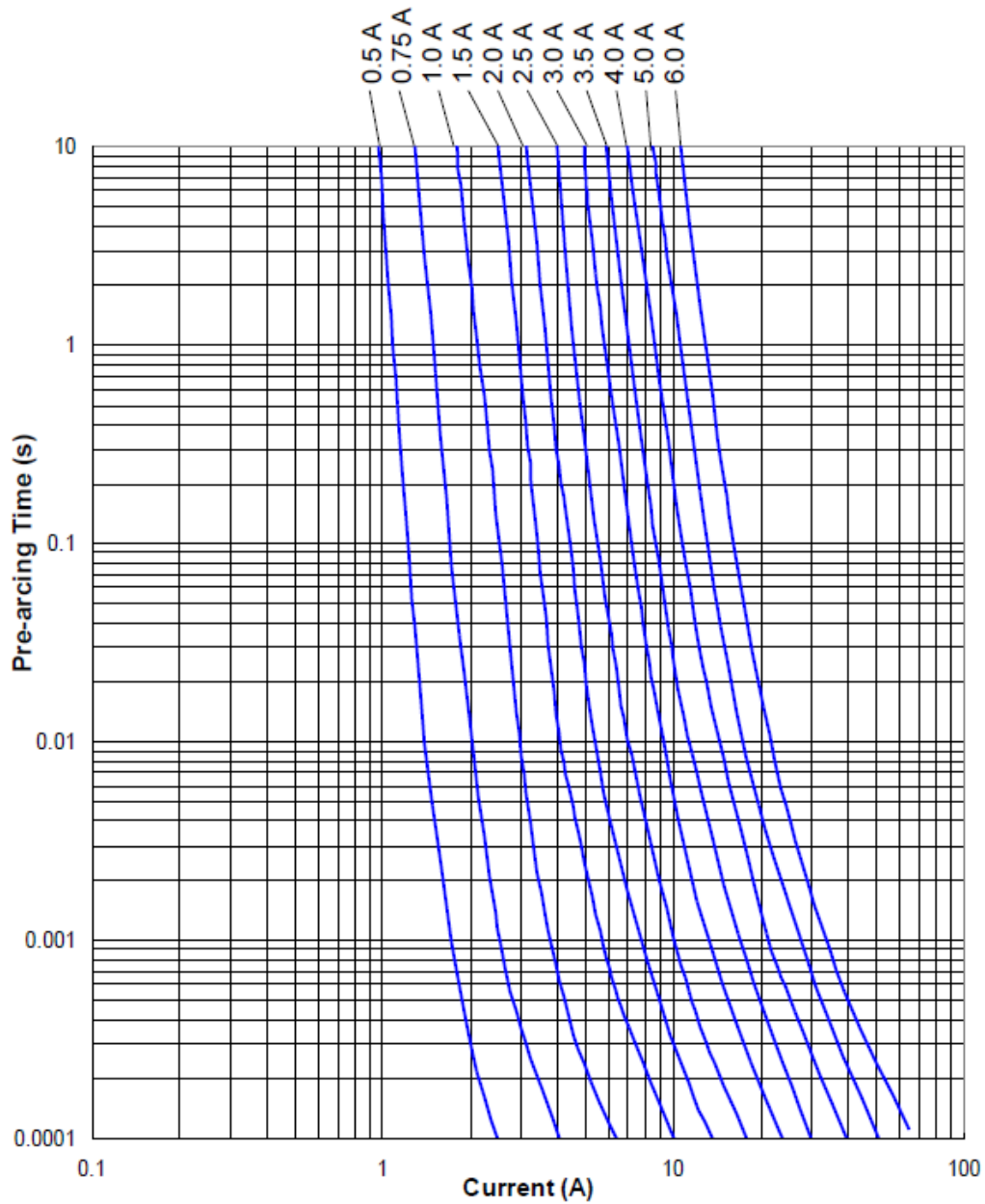
Type F0603SM
Fast Acting Surface Mount Fuse
0603 Package (1.6mm x 0.8mm)
Solid Matrix® Design



www.optifuse.com

(619) 593-5050

Average Pre-arcing Time Curves



Type F0603SM
Fast Acting Surface Mount Fuse
0603 Package (1.6mm x 0.8mm)
Solid Matrix[®] Design



www.optifuse.com

(619) 593-5050

Average I^2t vs. t

