Type F0603
Fast Acting Surface Mount Fuse
0603 Package (1.6mm x 0.8mm)

www.optifuse.com (619) 593-5050

Operating Temperature: -55°C ~ 90°C
Storage Temperature: -55°C ~ 85°C
Resistance to Solder Heat: Max 260°C, 10 sec.
Soldering Parameters: 235°C ±5°C, 3.5 sec. +0.5/-0 sec.
Packaging Specifications: 5K per Reel
Packaging Specifications: 8mm Tape and Reel per EIA-RS481: 5K per Reel

Agency Standards and Listings:

Time Characteristics		
100%	4h	Min
250%	10s	Max (200mA-3A)
350%	1s	Max (3.15A-5A)

Interrupting Rating	
200mA ~ 250mA	50A @ 32VAC
200mA ~ 250mA	50A @ 63 VDC
300mA ~ 1A	50A @ 32VAC
300mA ~ 1A	50A @ 32VDC
1.2A ~ 5A	35A @ 32VAC
1.2A ~ 5A	35A @ 32VDC

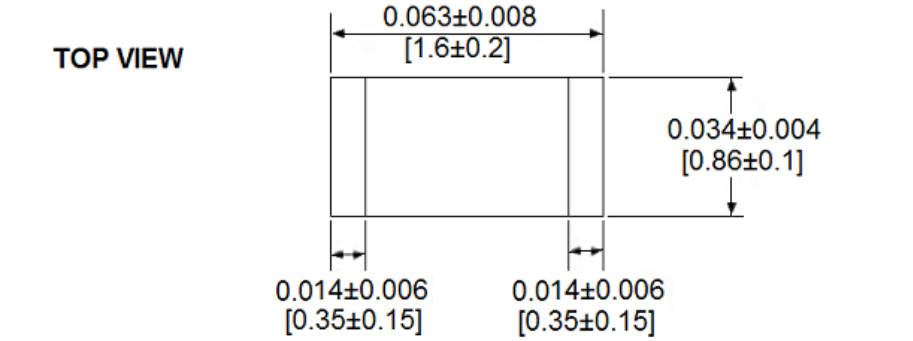
Product Information

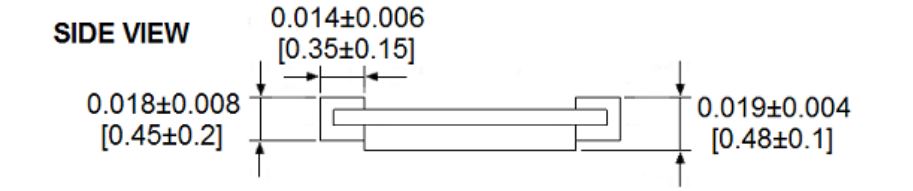
Part Number	Rating Current	Rated Voltage	Nominal Resistance (Ohms)	I^2t Nominal Melting $I^2t(A^2Sec.)$ (t=1ms)
F0603-200mA	200mA	32VAC 63VDC	4.7500	0.00056
F0603-250mA	250mA		2.7500	0.00078
F0603-300mA	300mA	32VAC 32VDC	2.0000	0.00091
F0603-315mA	315mA		1.8500	0.00083
F0603-375mA	375mA		1.3500	0.00115
F0603-500mA	500mA		0.8500	0.0069
F0603-630mA	630mA		0.5900	0.0072
F0603-750mA	750mA		0.4350	0.017
F0603-800mA	800mA		0.4100	0.019
F0603-1A	1A		0.1600	0.041
F0603-1.25A	1.25A		0.1050	0.045
F0603-1.5A	1.5A		0.0670	0.078
F0603-1.6A	1.6A		0.0660	0.076
F0603-2A	2A		0.0480	0.130
F0603-2.5A	2.5A		0.0350	0.180
F0603-3A	3A		0.0210	0.280
F0603-3.15A	3.15A		0.0200	0.320
F0603-3.5A	3.5A		0.0172	0.361
F0603-4A	4A		0.0140	0.408
F0603-5A	5A		0.0105	1.100

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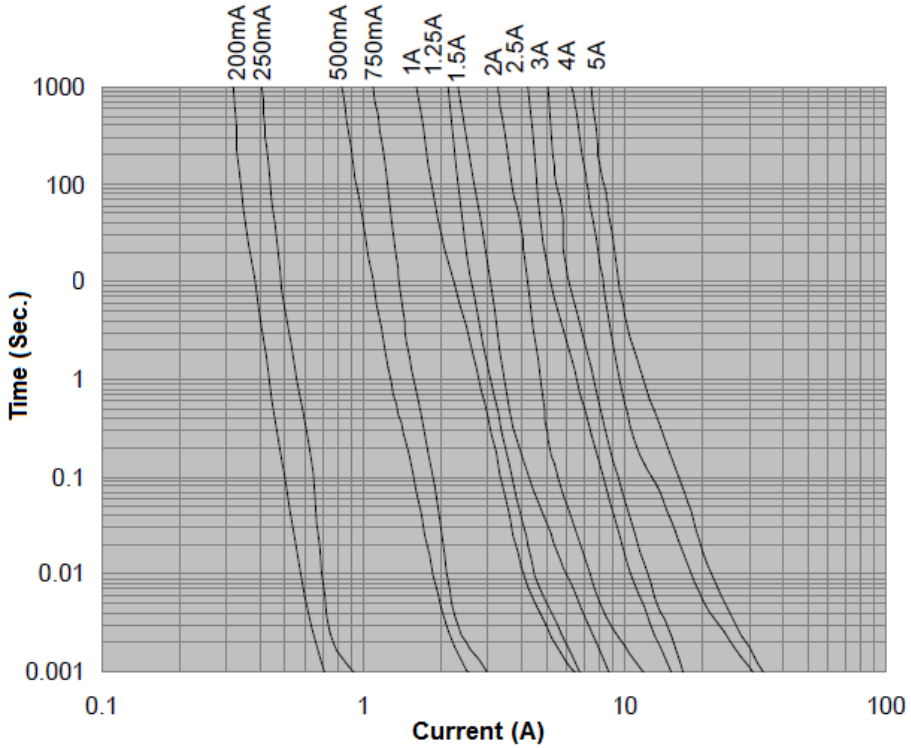
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Mechanical Dimensions: Inches [mm]





Time Current Curve Graph



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.