

# SolidMatrix<sup>®</sup> Automotive Surface Mount Fuses

## QF0603F Series

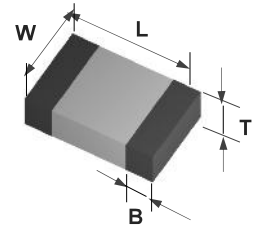


### Agency Approval:

Agency	File NO.
UL	E232989

### Shape and Dimensions:

Unit	Inch	mm
L	0.063 ± 0.006	1.60 ± 0.15
W	0.031 ± 0.006	0.80 ± 0.15
T	0.031 ± 0.006	0.80 ± 0.15
B	0.014 ± 0.006	0.36 ± 0.15



### Clearing Time Characteristics:

% of current rating	Clearing time at 25°C	
	Min.	Max.
100%	4 hours	
250%		5 seconds
400%		0.05 second

### Ordering Information:

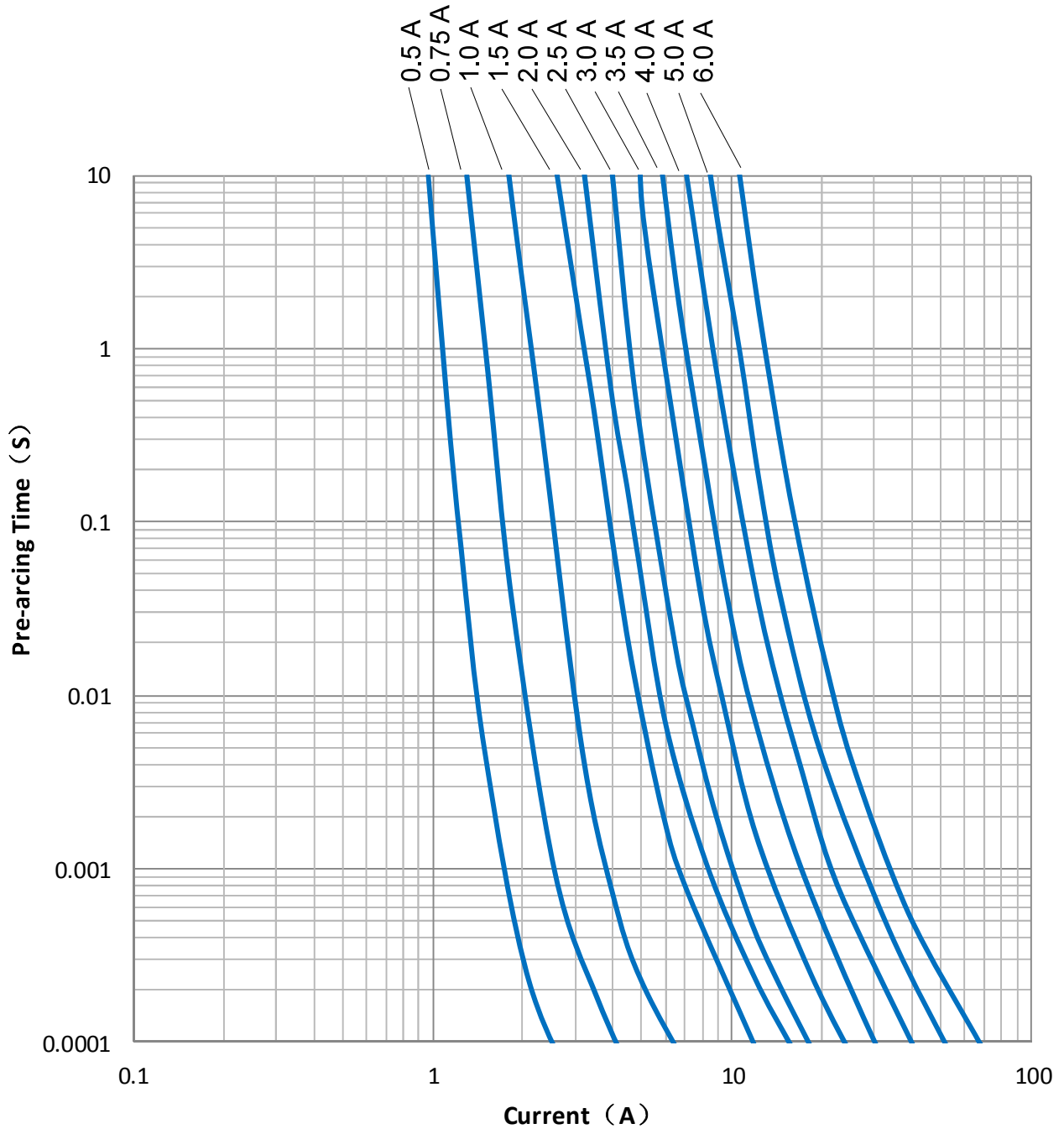
Part Number	Current Rating (A)	Voltage Rating (VDC)	Interrupting Ratings	Nominal Cold DCR ( $\Omega$ ) <sup>1</sup>	Nominal I <sup>2</sup> t (A <sup>2</sup> s) <sup>2</sup>	Marking Code <sup>3</sup>
QF0603FA500T	0.5	63	35A @ 63VDC	0.500	0.0031	C
QF0603FA750T	0.75			0.270	0.0062	D
QF0603F1A00T	1.0			0.150	0.0132	E
QF0603F1A50T	1.5			0.063	0.043	G
QF0603F2A00T	2.0	32	35A @ 32VDC	0.044	0.070	I
QF0603F2A50T	2.5			0.034	0.103	J
QF0603F3A00T	3.0			0.025	0.183	K
QF0603F3A50T	3.5			0.024	0.306	L
QF0603F4A00T	4.0			0.019	0.508	M
QF0603F5A00T	5.0			0.013	0.810	N
QF0603F6A00T	6.0	24	35A @ 24VDC	0.010	1.120	O

1. Measured at  $\leq 10\%$  rated current and 25°C ambient.
2. Melting I<sup>2</sup>t at 0.001 second pre-arcing time.
3. Black Marking Character Code.

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### Average Pre-arcing Time Curves:



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

