

# Surface Mount Fuses

## 0603 Very Fast-Acting Chip Fuses

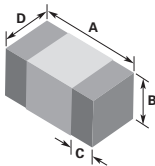
Table FV1 — ClearTime Characteristics

% of Rated Current	ClearTime at 25°C	
100%	4 hrs (min)	—
200%	0.01 s (min)	5 s (max)
300%	0.001 s (min)	0.2 s (max)

Table FV2 — Typical Electrical Characteristics and Dimensions

0603 (1608 mm) Very Fast-Acting Chip Fuses

Shape and Dimensions  
mm (in)

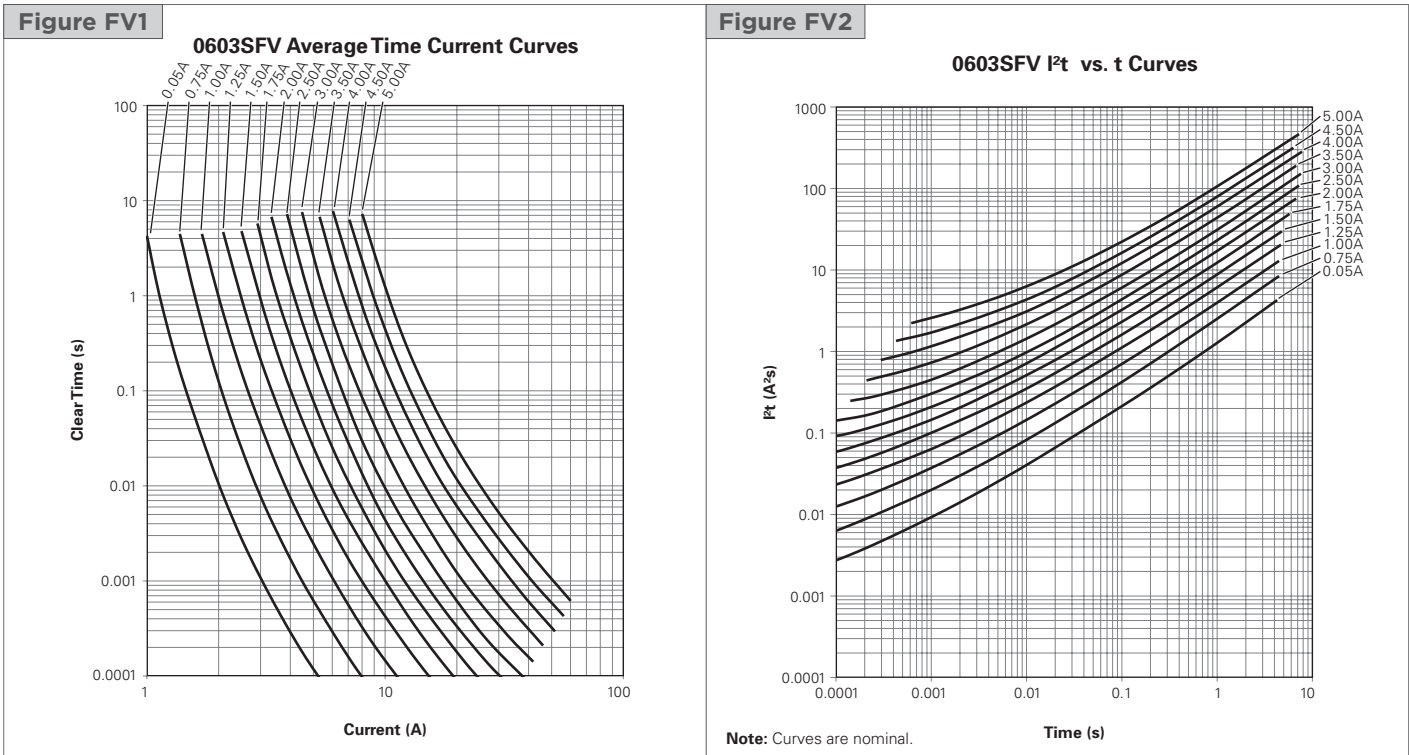


	A		B		C		D	
	Min	Max	Min	Max	Min	Max	Min	Max
mm	1.45	1.75	0.22	0.48	0.21	0.51	0.65	0.95
in	(0.057)	(0.069)	(0.009)	(0.019)	(0.008)	(0.020)	(0.025)	(0.037)

Part Number	Typical Electrical Characteristics			Max Interrupt Ratings	
	Rated Current (A)	Nominal Cold DCR (Ω)*	Nominal I²t (A²sec)	Voltage (V <sub>DC</sub> )	Current (A)
0603SFV050F/32-2	0.5	0.860	0.0093	32	50
0603SFV075F/32-2	0.8	0.450	0.0191	32	50
0603SFV100F/32-2	1.0	0.280	0.0360	32	50
0603SFV125F/32-2	1.3	0.205	0.0630	32	35
0603SFV150F/32-2	1.5	0.143	0.0950	32	35
0603SFV175F/32-2	1.8	0.095	0.1400	32	35
0603SFV200F/32-2	2.0	0.073	0.2100	32	35
0603SFV250F/32-2	2.5	0.046	0.3000	32	35
0603SFV300F/32-2	3.0	0.039	0.4600	32	35
0603SFV350F/32-2	3.5	0.028	0.7300	32	35
0603SFV400F/32-2	4.0	0.023	1.1500	32	35
0603SFV450F/32-2	4.5	0.019	1.6800	32	35
0603SFV500F/32-2	5.0	0.015	2.6200	32	35

\* Measured at 10% of rated current and 25°C.

Figures FV1-FV2 — Family Performance Curves



## Surface Mount Fuses

### 0603 Very Fast-Acting Chip Fuses

#### Notice:

Littelfuse products are not designed for, and shall not be used for, any purpose (including, without limitation, automotive, military, aerospace, medical, life-saving, life-sustaining or nuclear facility applications, devices intended for surgical implant into the body, or any other application in which the failure or lack of desired operation of the product may result in personal injury, death, or property damage) other than those expressly set forth in applicable Littelfuse product documentation. Warranties granted by Littelfuse shall be deemed void for products used for any purpose not expressly set forth in applicable Littelfuse documentation. Littelfuse shall not be liable for any claims or damages arising out of products used in applications not expressly intended by Littelfuse as set forth in applicable Littelfuse documentation. The sale and use of Littelfuse products is subject to Littelfuse Terms and Conditions of Sale, unless otherwise agreed by Littelfuse.