

SolidMatrix® 0603 Very Fast Acting Surface Mount Fuses (CP Series)



Features:

- Very fast acting at 200% overload
- Excellent inrush current withstanding capability at high overloads
- Glass ceramic monolithic structure
- Silver fusing element and silver termination with nickel and tin plating
- Lead-free and RoHS compliant materials
- Symmetrical design with marking on both sides (optional)
- Operating temperature range: -55°C to +125 °C (with de-rating)



Clear-Time Characteristics:

% of Current Rating	Clear-Time at 25°C	
100%	4 hours min.	
200%	0.01 seconds min.	10 seconds max.

Agency Approval: Recognized Under the Components Program of Underwriters Laboratories. File Number: E232989

Patents: U.S. Patent numbers 6,034,589; 6,228,230; 6,602,766; 6,844,278; and other pending patents

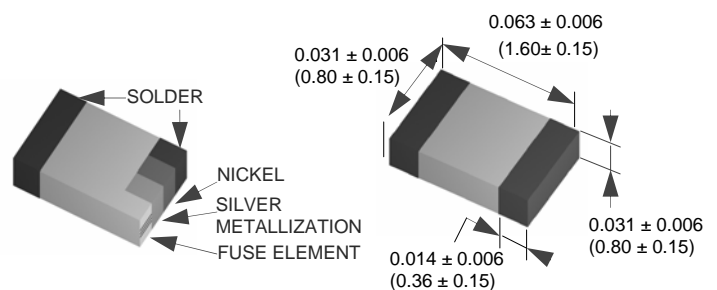
Interrupting Rating:

0.5A - 1.0A 50A at rated voltage
1.5A - 5.0A 35A at rated voltage

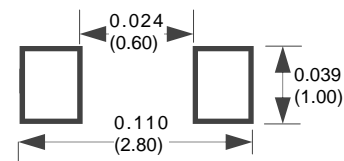
Marking (Optional): Blue marking character codes
0.5A:C, 0.75A:D, 1.0A:E, 1.5A:G, 2.0A:I, 2.5A:J 3.0A:K, 4.0A:M, 5.0A:N

Ordering Information:

Shape and Dimensions:



Recommended Land Pattern:



Inch (mm)

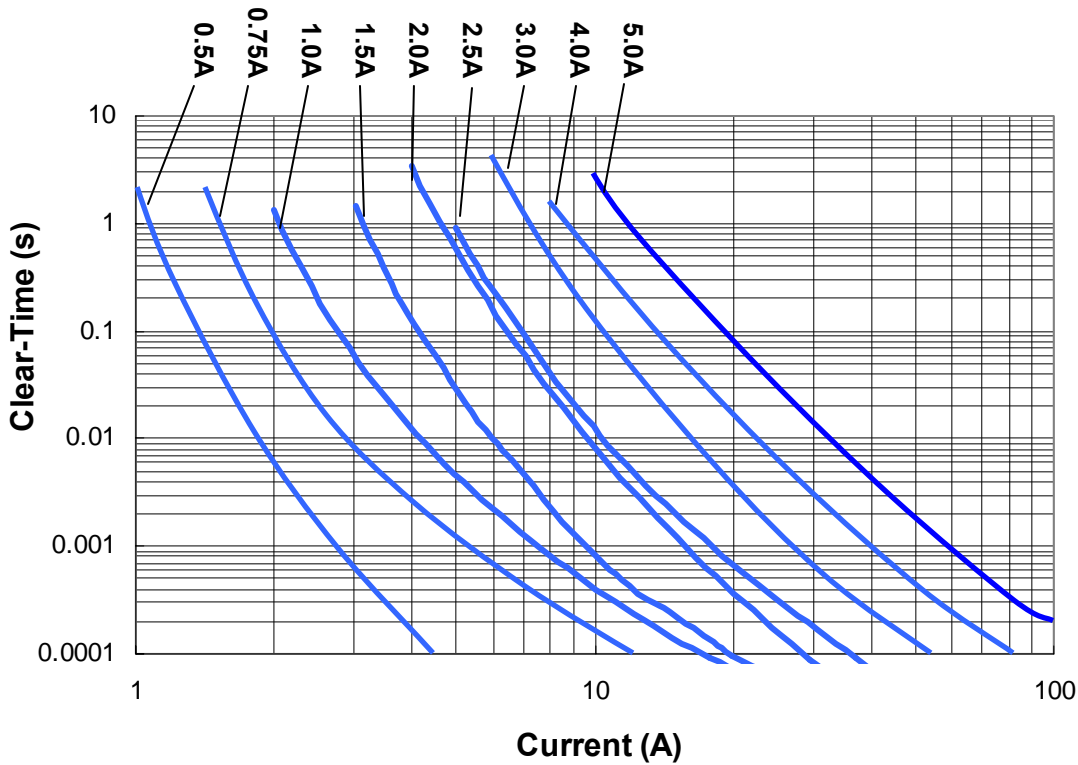
Part Number	Current Rating (A)	Voltage Rating (VDC)	Nominal Cold DCR (Ω) ¹	Nominal I ² t (A ² s) ²
F0603CP0500V032T	0.5	32	0.86	0.0093
F0603CP0750V032T	0.75	32	0.45	0.0191
F0603CP1000V032T	1.0	32	0.28	0.036
F0603CP1500V032T	1.5	32	0.136	0.095
F0603CP2000V032T	2.0	32	0.069	0.21
F0603CP2500V032T	2.5	32	0.046	0.30
F0603CP3000V032T	3.0	32	0.039	0.46
F0603CP4000V032T	4.0	32	0.023	1.15
F0603CP5000V032T	5.0	32	0.015	2.62

1. Measured at $\leq 10\%$ rated current and 25°C ambient.
2. Melting I²t at 0.001 second clear-time

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Average Clear-Time Curves



Average I²t vs. t Curves

