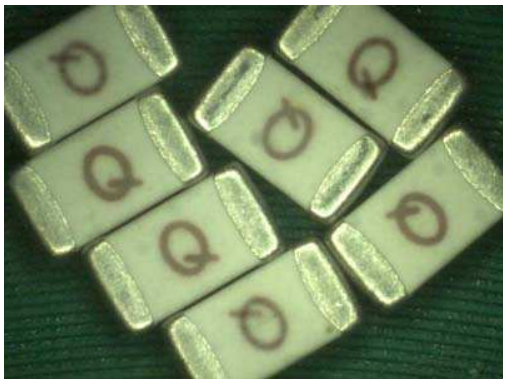
SolidMatrix® 1206 High Current Rating Fast Acting Surface Mount Fuses (HB Series)

Features:

- Special products for high current rating applications
- Higher current ratings and excellent inrush current withstanding capability (high I^2t)
- Glass ceramic monolithic structure
- Sliver fusing element and silver termination with nickel and tin plating
- RoHS compliant and lead free materials
- Superior arc suppression
- Symmetrical design with marking on both sides (optional)
- Operating temperature range: -55℃ to +125℃ (with de-rating)



Clearing Time Characteristics:

% of current rating	Clearing time at 25℃
100%	4 hours min.
350%	5 seconds max.

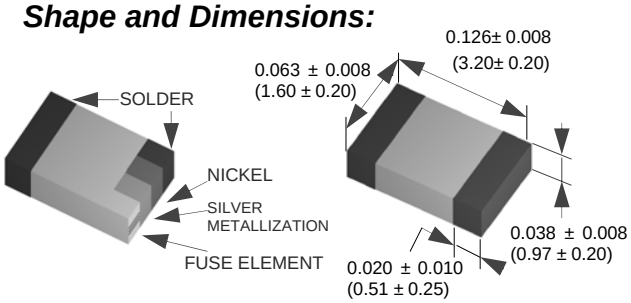
Agency Approval:

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

Patents:

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

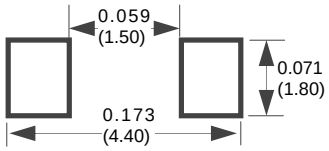
Shape and Dimensions:



Interrupting Rating:

10 A - 12 A	150 A at rated voltage
15 A - 20 A	200 A at rated voltage
25 A	250 A at rated voltage
30 A	300 A at rated voltage

Recommended Land Pattern:



Inch (mm)

Marking (Optional): Red Marking Character Code

10 A: Q, 12 A: X, 15 A: Y, 20 A: Z, 25 A: S, 30 A: V

Ordering Information:

Part Number	Current Rating (A)	Voltage Rating (VDC)	Nominal Cold DCR(Ω)[1]	Nominal I^2t $(A^2s)^2$
F1206HB10V024T	10	24	0.0045	12
F1206HB12V024T	12	24	0.0039	19
F1206HB15V024T	15	24	0.0031	34
F1206HB20V024T	20	24	0.0020	64
F1206HB25V024T	25	24	0.0016	187
F1206HB30V024T	30	24	0.0012	270

1. Measured at ≤ 10% of rated current and 25ºC ambient
2. Melting I^2t at 1000% of current rating

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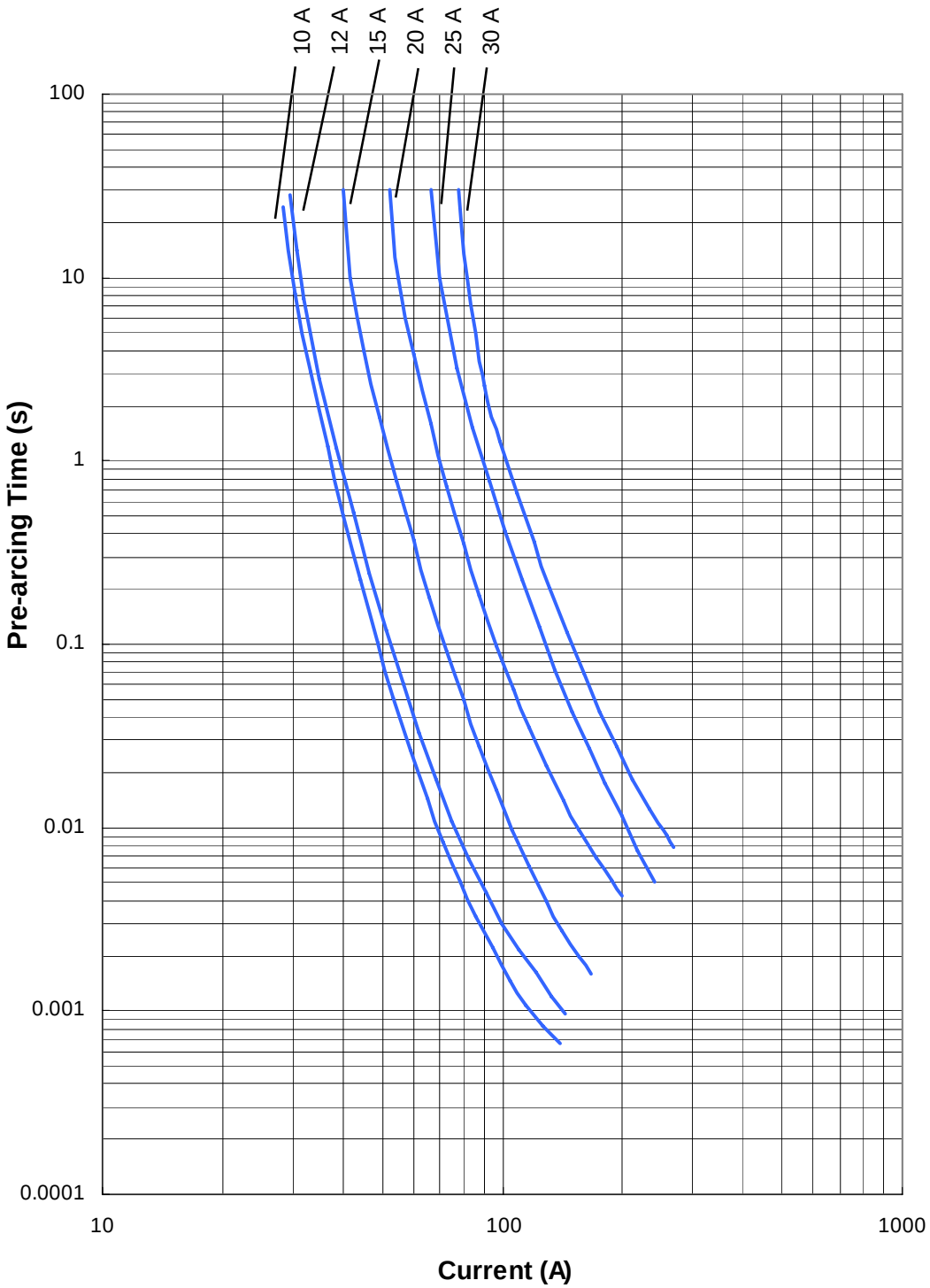
Average Pre-arcing Time Curves



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