AEM
Innovation to power your vision

Revision of Nov. 2024

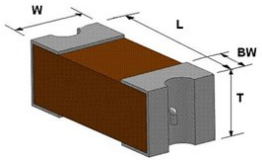
AirMatrix® Automotive Surface Mount Fuses
QA1206F Series

Agency Approval:

Agency	File NO.
UL	E232989

Shape and Dimensions:

Unit	Inch	mm
L	0.126 ± 0.008	3.20 ± 0.20
W	0.063 + 0.012 / -0.004	1.60 + 0.30 / -0.10
T	0.042 ± 0.006	1.08 ± 0.15
B	0.033 ± 0.012	0.85 ± 0.30



Clearing Time Characteristics:

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

Features:

- Excellent inrush current withstanding capability
- Fiberglass enforced epoxy fuse body
- Copper or copper alloy composite fuse link
- Copper termination with nickel and tin plating
- Operating temperature range:
  -55℃ to +125℃ (with de-rating)
- AEC-Q200 Rev.E qualified & ISO IATF16949 certificated

Applications:

- Communications & Networks
- Battery Management Systems
- Infotainment Systems
- Under-the-hood Applications

Ordering Information:

Part Number	Current Rating (A)	Voltage Rating (VDC)	Interrupting Ratings	Nominal Cold DCR (Ω)[1]	Nominal I^2t (A^2s)[2]	Marking Code[3]
QA1206F1A00T	1.00	125	50 A @ 125VDC	0.066	0.21	E
QA1206F1A50T	1.50			0.050	0.37	G
QA1206F1A60T	1.60			0.043	0.52	T
QA1206F2A00T	2.00			0.032	0.88	I
QA1206F2A50T	2.50	65	50 A @ 65VDC	0.028	1.1	J
QA1206F3A00T	3.00			0.0224	1.9	K
QA1206F3A15T	3.15			0.0203	2.2	V
QA1206F3A50T	3.50			0.0180	2.6	L
QA1206F4A00T	4.00			0.0161	3.3	M
QA1206F5A00T	5.00	32	50 A @ 32VDC	0.0129	5.4	N
QA1206F6A30T	6.30			0.0100	8.9	O
QA1206F7A00T	7.00			0.0094	10.4	P
QA1206F8A00T	8.00			0.0084	13.5	R
QA1206F10A0T	10.0			0.0050	11.2	Q
QA1206F12A0T	12.0			0.0041	15.0	X
QA1206F15A0T	15.0			0.0035	24.5	Y

1. Measured at ≤ 10% rated current and 25°C ambient.
2. Melting I^2t at 0.001 second pre-arcing time.
3. Blue Marking Character Code.

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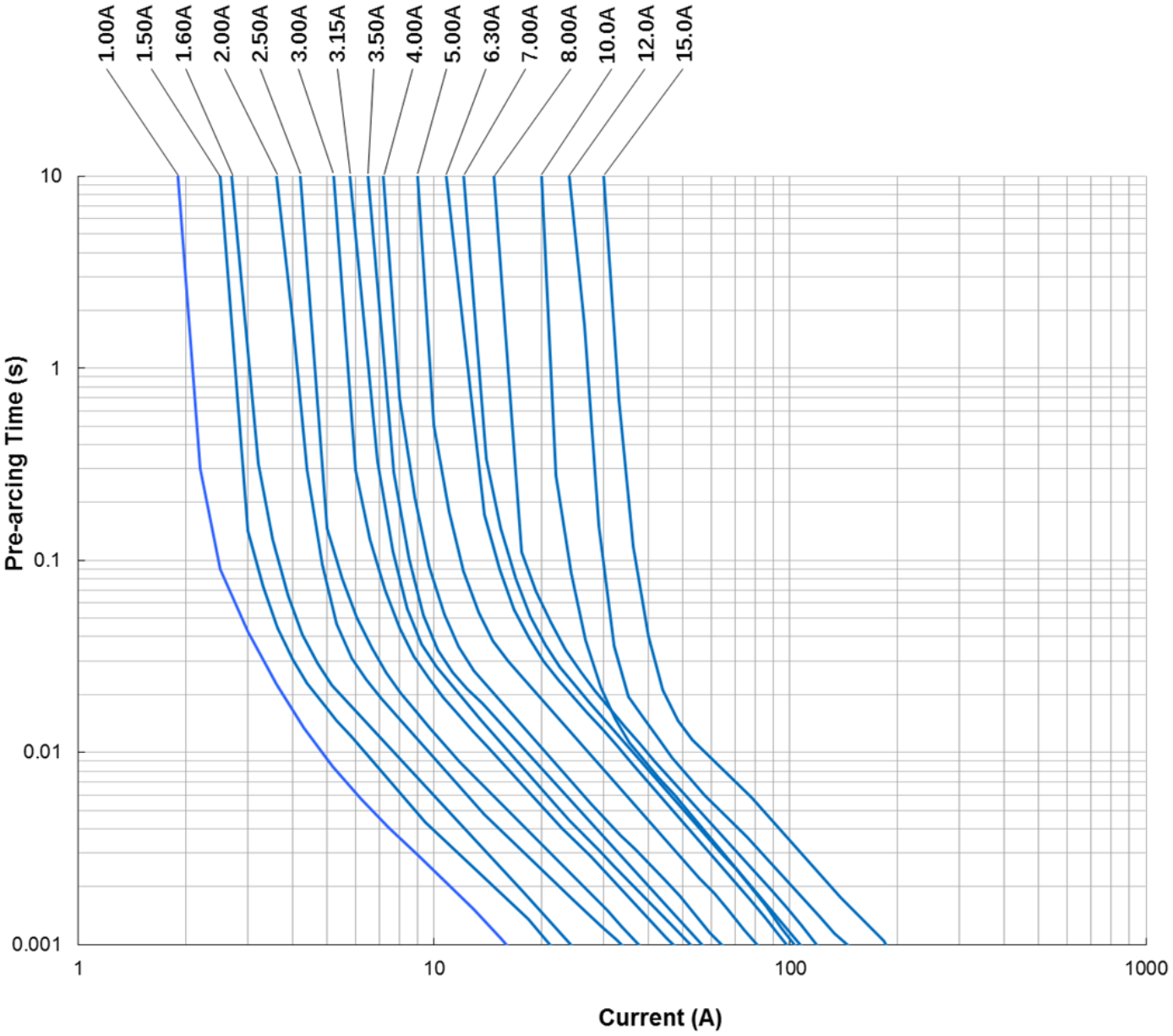
Average Pre-arcing Time Curves:



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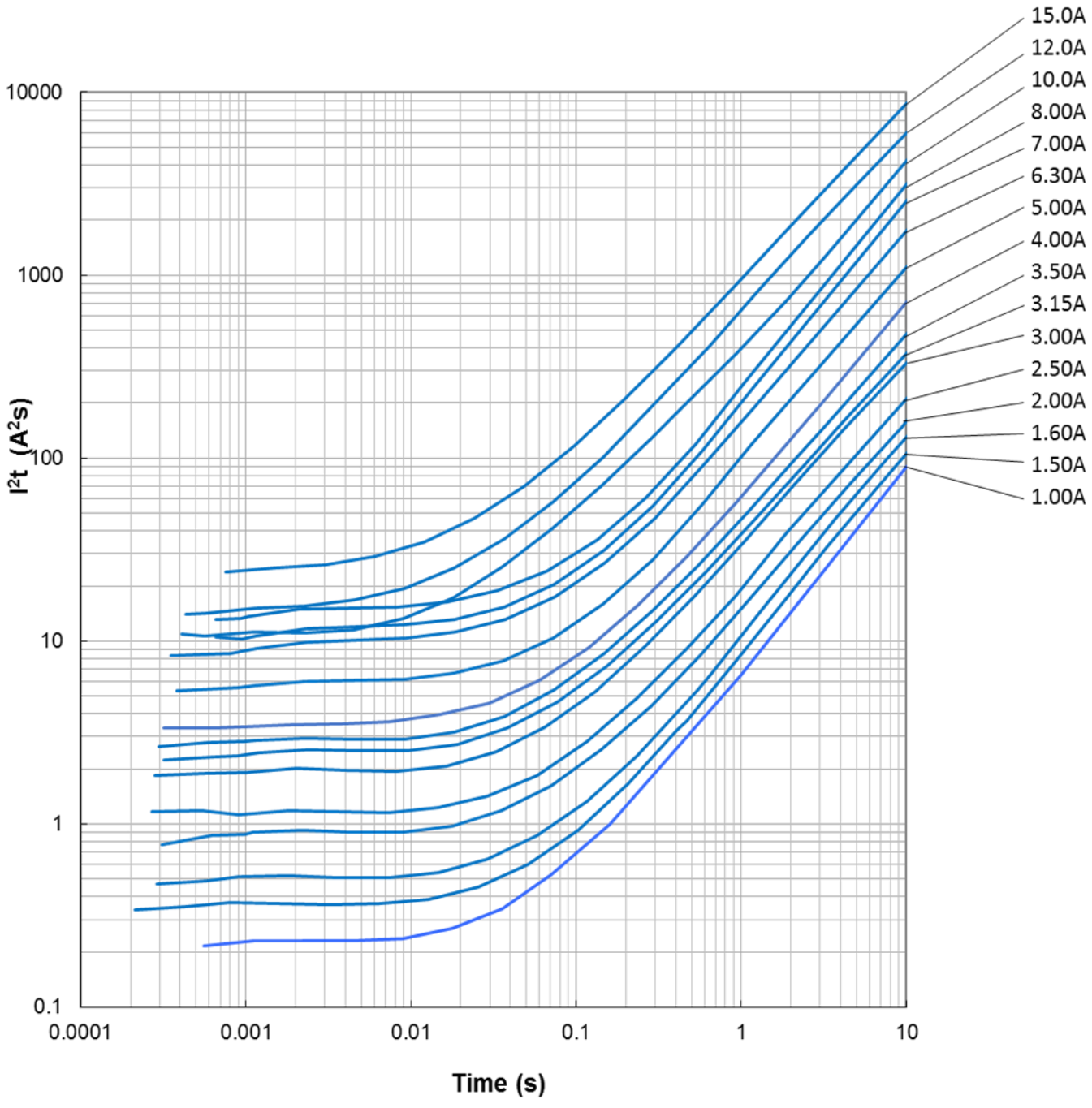
Average I^2t vs. t Curves:



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