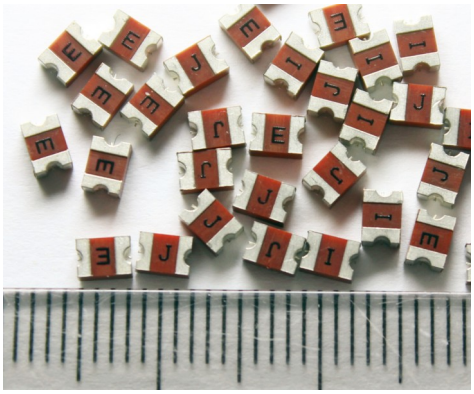
AirMatrix® Surface Mount Fuses

MF Series, 1210 Size



Features:

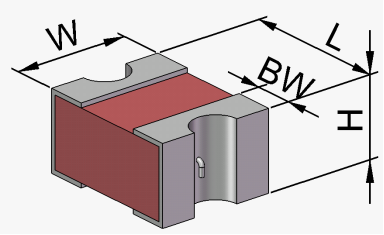
- Extremely small size with VAC rating
- Surface mount fuses in AC applications
- Excellent inrush current withstanding capability
- Operating temperature range: -55°C to +125°C (with de-rating)
- Fiberglass enforced epoxy fuse body
- Copper termination with nickel and in plating
- Halogen free, RoHS compliant
- 100% lead-free

Typical Application:

- Lighting and Driver
- Low Voltage Power and Charger
- Application
- Industrial Equipment
- White Goods

Shape and Dimensions:

Unit	Inch	mm
L	0.126 + 0.016/-0	3.20 + 0.40/-0
W	0.098 ± 0.008	2.50 ± 0.20
H	0.063 ± 0.008	1.60 ± 0.20
BW	0.033 ± 0.012	0.85 ± 0.30
P	⩾0.063	⩾1.6



Clearing Time Characteristics:

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

Agency Approval:

Recognized Under the Components Program of UL.
File Number: E232989.

Patents:

Patent numbers “ZL200810092353.3”, “ZL200910007157.6”, “ZL201120450579.3”, “ZL201120536307.5”, “ZL201220063222.4”, “ZL201110123326.X”.

Ordering Information:

Part Number	Current Rating (A)	Voltage Rating (VAC)	Interrupting Ratings	Nominal Cold DCR (Ω)[1]	Nominal I^2t $(A^2s)^2$	Marking (Black)
MF1210F1.00TM	1.00	125	100 A @ 125 VAC 100 A @ 65 VDC	0.079	0.2	E
MF1210F1.50TM	1.50			0.050	0.5	G
MF1210F2.00TM	2.00			0.037	0.9	I
MF1210F2.50TM	2.50			0.033	1.2	J
MF1210F3.00TM	3.00			0.028	1.5	K

Notes:
- Resistance is measured at ≤10% of rated current and 25℃ ambient.
- I^2t is measured at 0.001s.

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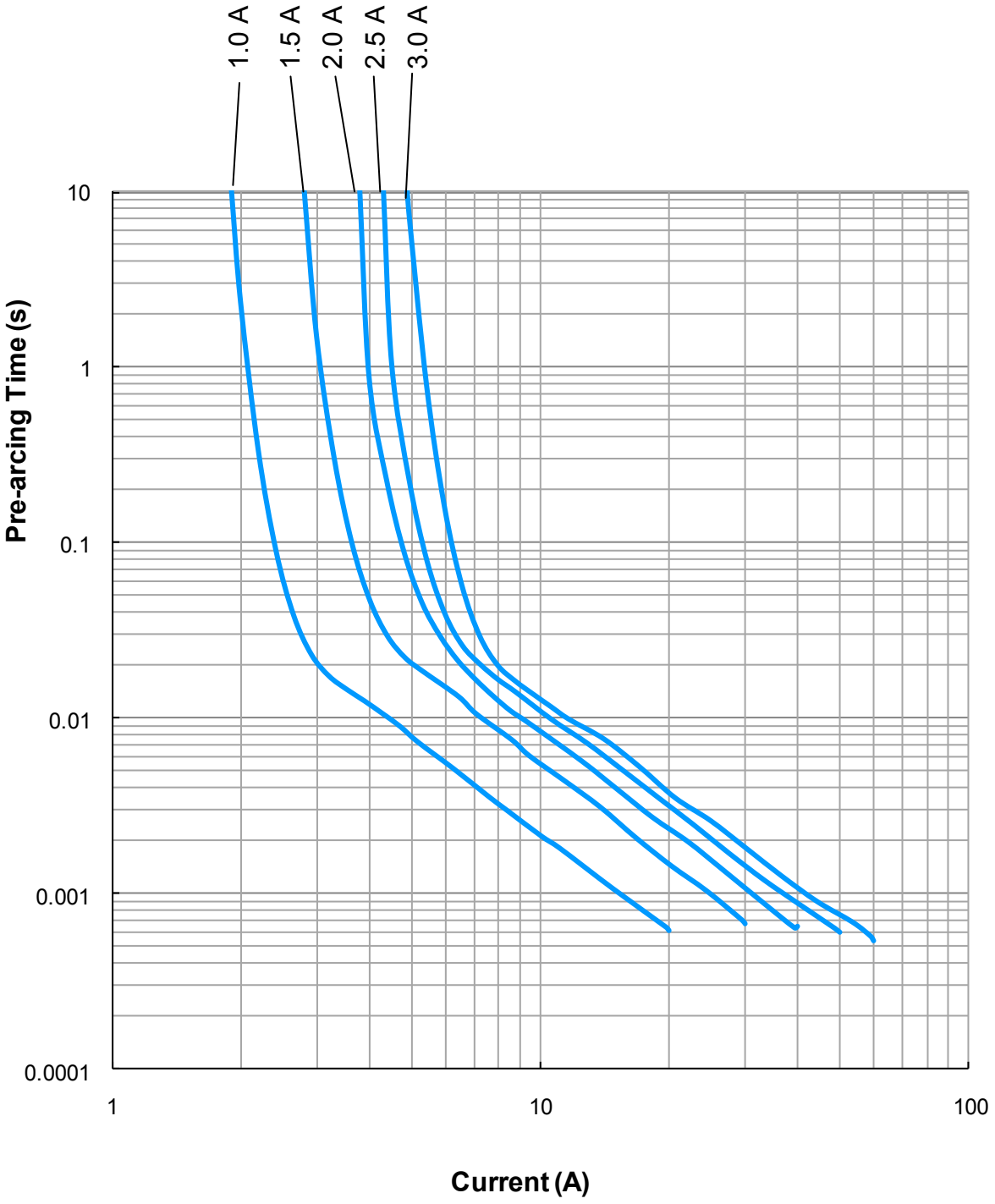
Average Pre-arcing Time Curves:



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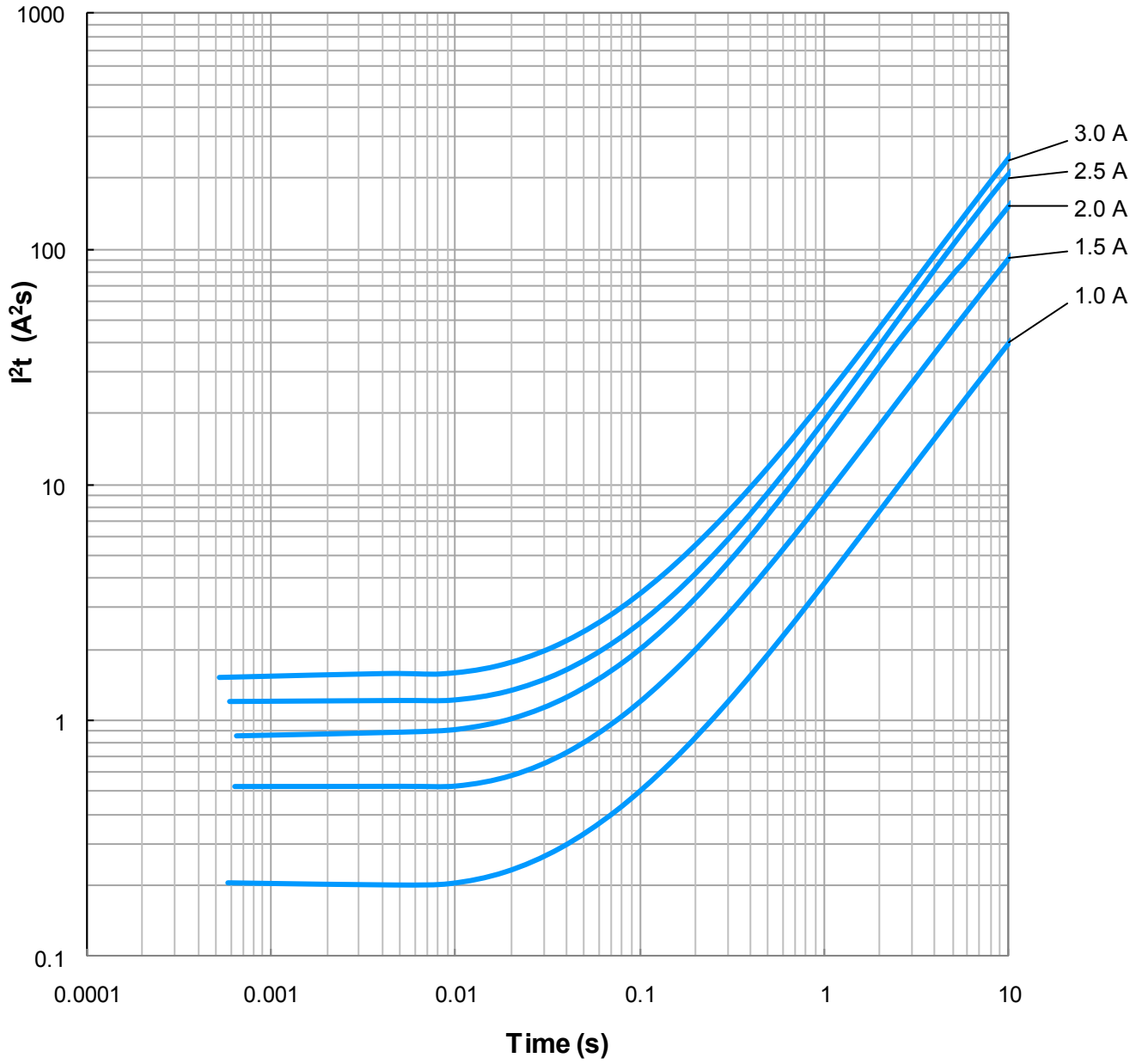
Average I^2t vs. t Curves: