

Miniature Fuses Size 6x32 FA

500V AL - Semiconductor Protection Fuses

MINIATURE FUSES

6X32MM SEMICONDUCTOR PROTECTION FUSES



Mersen’s Miniature Fuses 6x32 FA 500V AL provide fast protection for sensitive electronic components.

Their very fast-acting (FA) design safeguards semiconductor devices from overcurrent and short circuits.

Compact and versatile, these 500V fuses with axial leads ensure reliable performance across various applications.

Axial leads allow direct soldering onto PCBs or connections to other components for easy integration.

Built with high-quality materials, they offer a very high breaking capacity to prevent damage, enhancing system longevity and reliability.

This range is also available without axial leads.

TECHNICAL DATA OVERVIEW

Voltage	500V
Ampere range	0,1A-5A
Speed/Characteristic	FA
Size per Standard	6x32
Package	1500 pcs
Weight	2.8 g

FEATURES & BENEFITS

- 6x32
- Very fast acting
- 500V
- Axial Leads
- Packaging: tape per 1500pcs

APPLICATIONS

- Protection of converters with semi-conductors, diodes, thyristors, triacs
- Printed Circuit Board (PCB)
- Other electronic component

STANDARDS

- UL/CSA Recognized - UL/CSA 248-1: see “UL/CSA Recognized” status given in product range table



Miniature Fuses Size 6x32 FA

500V AL - Semiconductor Protection Fuses

PRODUCT RANGE

Size 6x32 FA 500V AL

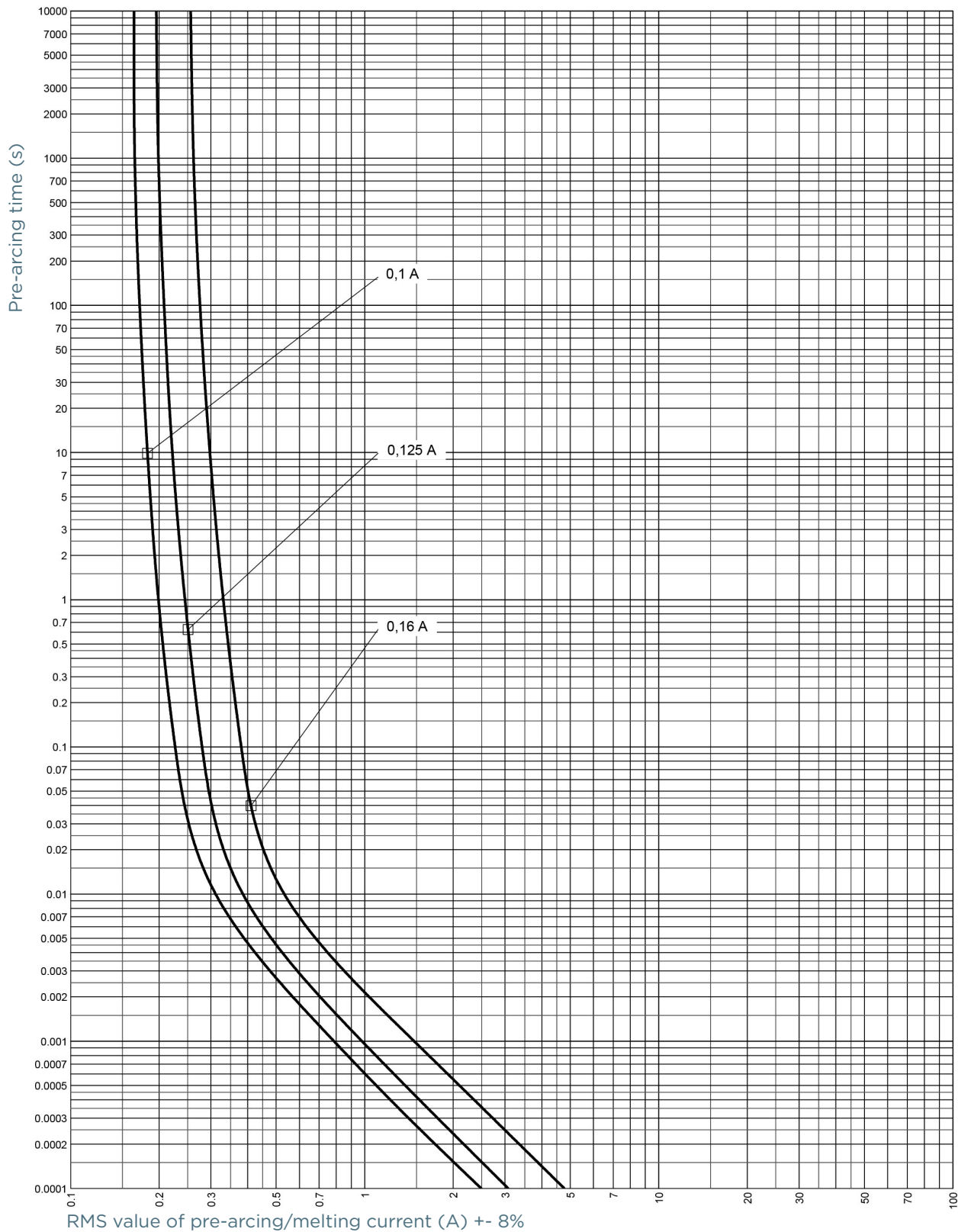
Catalog number	Item number	Rated voltage AC	Rated current I_n	Pre-arcing I^2t	Clearing I^2t at AC Rated Voltage	Breaking capacity	UL/CSA recognizedB
MI6FAP50V0.1	A208196	500 V	0.1 A	0.00057 A ² s	0.002 A ² s	200 kA	✓
MI6FAP50V0.125	B208197	500 V	0.125 A	0.00077 A ² s	0.003 A ² s	200 kA	✓
MI6FAP50V0.16	C208198	500 V	0.16 A	0.002 A ² s	0.008 A ² s	200 kA	✓
MI6FAP50V0.2	D208199	500 V	0.2 A	0.0046 A ² s	0.017 A ² s	200 kA	✓
MI6FAP50V0.25	E208200	500 V	0.25 A	0.009 A ² s	0.035 A ² s	200 kA	✓
MI6FAP50V0.315	F208201	500 V	0.315 A	0.016 A ² s	0.06 A ² s	200 kA	✓
MI6FAP50V0.4	G208202	500 V	0.4 A	0.03 A ² s	0.11 A ² s	200 kA	✓
MI6FAP50V0.5	H208203	500 V	0.5 A	0.05 A ² s	0.2 A ² s	200 kA	✓
MI6FAP50V0.63	J208204	500 V	0.63 A	0.12 A ² s	0.45 A ² s	200 kA	✓
MI6FAP50V0.8	K208205	500 V	0.8 A	0.25 A ² s	0.92 A ² s	200 kA	✓
MI6FAP50V1	N207104	500 V	1 A	0.11 A ² s	0.3 A ² s	200 kA	✓
MI6FAP50V1.25	M208207	500 V	1.25 A	0.26 A ² s	0.75 A ² s	200 kA	✓
MI6FAP50V1.6	N208208	500 V	1.6 A	0.39 A ² s	1.1 A ² s	200 kA	✓
MI6FAP50V2	P208209	500 V	2 A	0.81 A ² s	2.2 A ² s	200 kA	✓
MI6FAP50V2.5	Q208210	500 V	2.5 A	1.44 A ² s	4 A ² s	200 kA	✓
MI6FAP50V3.15	R208211	500 V	3.15 A	2.46 A ² s	7 A ² s	200 kA	✓
MI6FAP50V4	S208212	500 V	4 A	4.6 A ² s	14 A ² s	200 kA	✓
MI6FAP50V5	T208213	500 V	5 A	11 A ² s	30 A ² s	20 kA	✓

Miniature Fuses Size 6x32 FA

500V AL - Semiconductor Protection Fuses

TIME CURRENT CHARACTERISTIC CURVES

Size 6x32 FA 500V AL 0,1A-0,16A

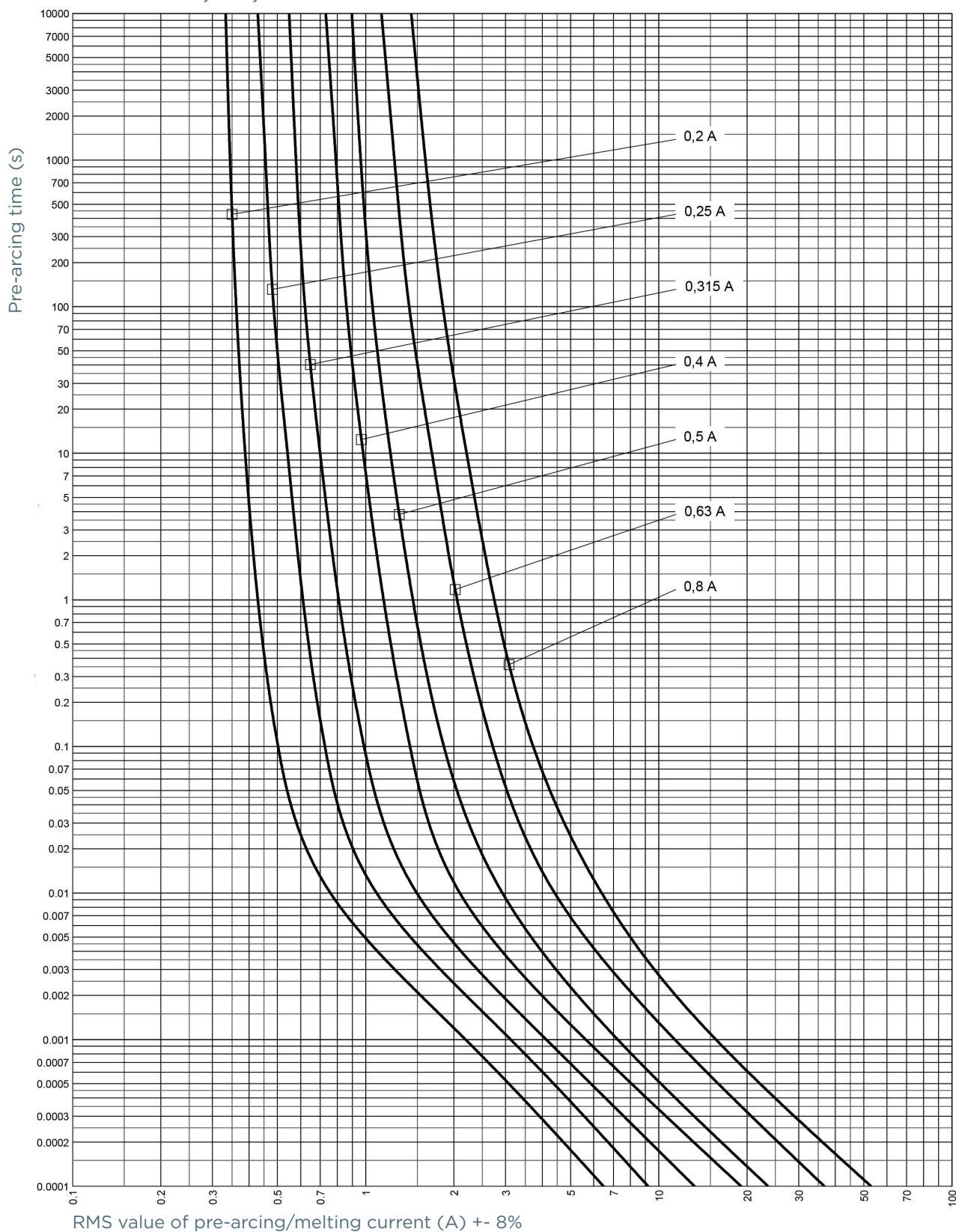


Miniature Fuses Size 6x32 FA

500V AL - Semiconductor Protection Fuses

TIME CURRENT CHARACTERISTIC CURVES

Size 6x32 FA 500V AL 0,2A-0,8A

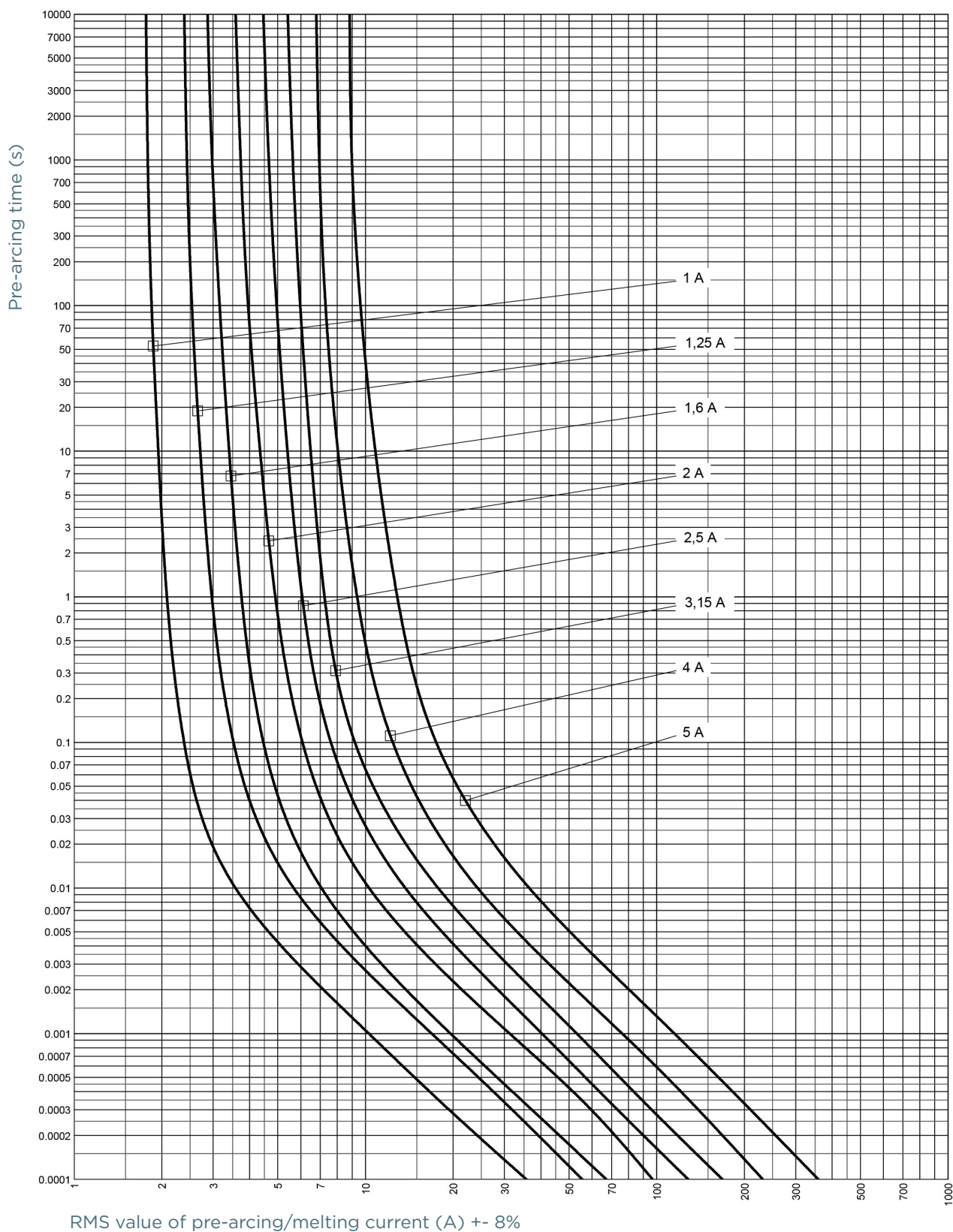


Miniature Fuses Size 6x32 FA

500V AL - Semiconductor Protection Fuses

TIME CURRENT CHARACTERISTIC CURVES

Size 6x32 FA 500V AL 1A-5A

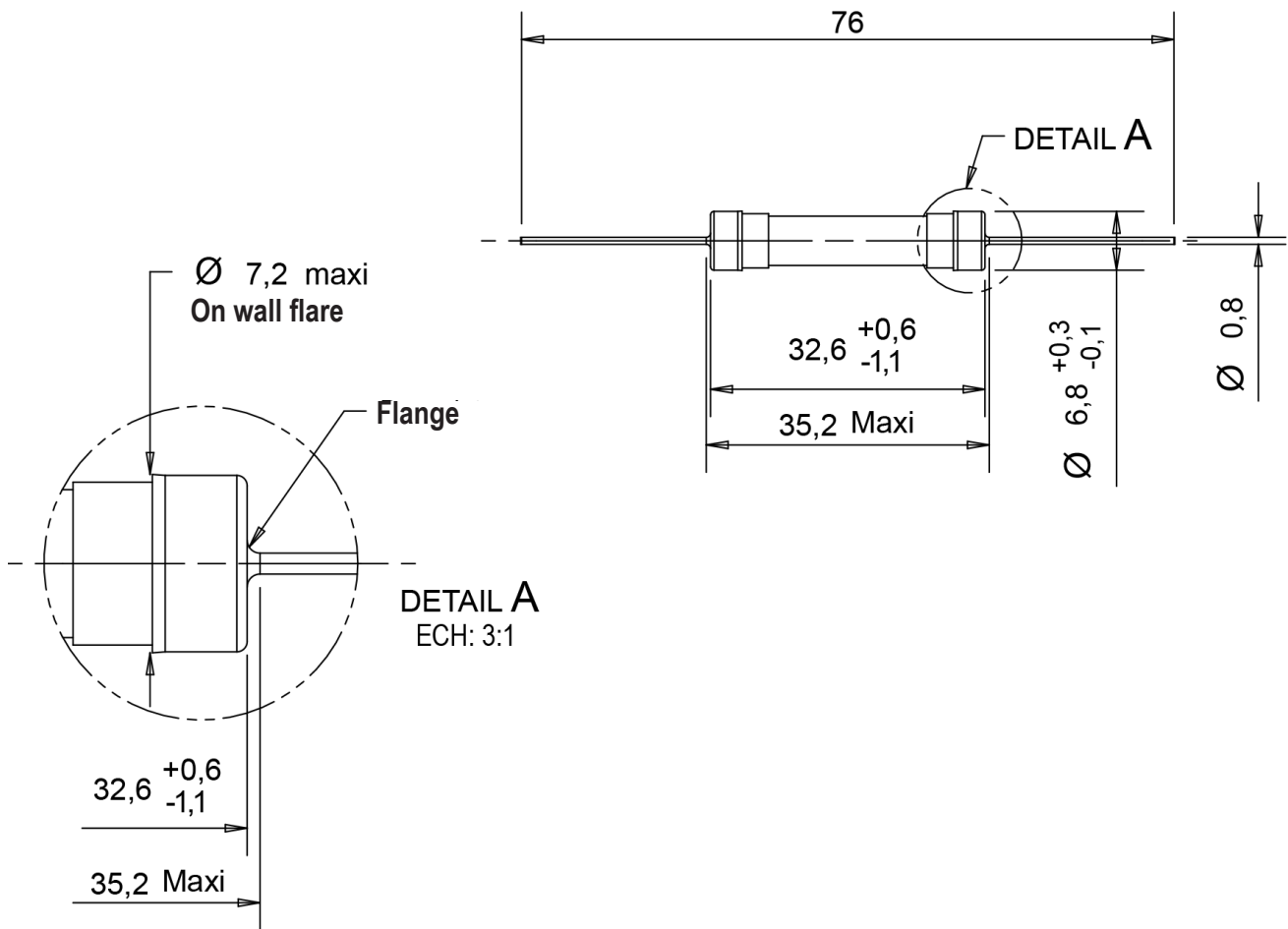


Miniature Fuses Size 6x32 FA

500V AL - Semiconductor Protection Fuses

DIMENSIONS

Size 6x32 FA 500V AL



Dimensions in mm