

ATOF® Blade Fuses



ATO® Ag (Silver plated) Blade Fuses

## ATOF® Blade Fuses Rated 32V

Developed by Littelfuse for the automotive industry, the ATOF® fuse has become the original equipment circuit protection standard for foreign and domestic automobiles and trucks. Readily identifiable and easily replaced, this fuse can be specified for a variety of low voltage electronic applications.

### Specification

Voltage Rating: 32 VDC  
 Interrupting Rating: 1000A @ 32 VDC  
 \*Component Level Temperature Range: -40°C to +105°C  
 \*\*System Level Temperature Range: -40°C to +85°C  
*105°C and 85°C are typical system level temperature requirements.*  
 Terminals: Sn plated zinc alloy  
 Housing Material: PA66  
 Complies with: SAE J1284, ISO 8820-3  
 UL Listed: File AU1410  
 CSA Certified: File No. 29862

ATOF®  
(Tin Plated)

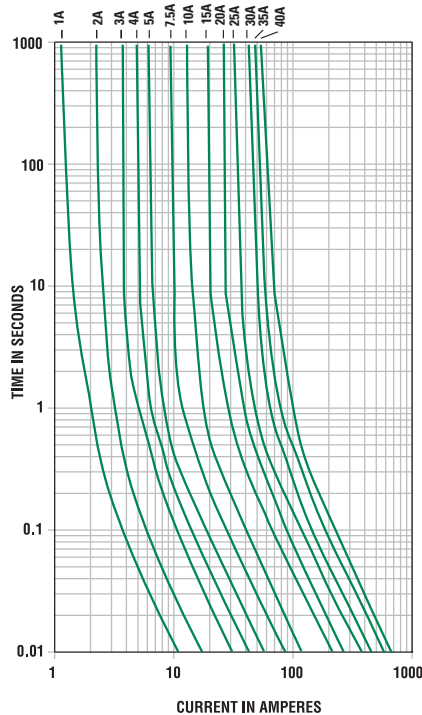
ATO Ag  
(Silver Plated)



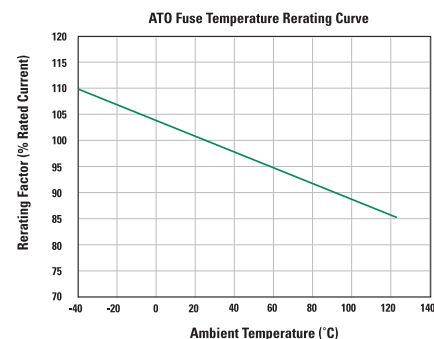
### Time-Current Characteristics

% R <sup>1</sup>	C <sup>1</sup> R <sup>1</sup>	O <sup>1</sup> R <sup>1</sup> T <sup>1</sup> M <sup>1</sup> / M <sup>1</sup> (s)
100	35A & 40A	360,000 s / -
110	1A-30A	360,000 s / -
135	1A & 2A 3A-40A	350 ms / 600 s 0.750 s / 600 s
160	1A-40A	250 ms / 50 s
200	1A & 2A 3A-40A	100 ms / 5.0 s 0.150 s / 5.0 s
350	1A & 2A 3A-40A	20 ms / 500 ms 80 ms / 500 ms
600	1A-30A 35A & 40A	- / 100 ms - / 150 ms

### Time-Current Characteristic Curves



### Temperature Derating Curve



### Ordering Information

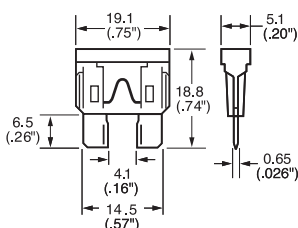
P	N <sup>1</sup>	P	S
<b>ATOF® (Tin Plated)</b>			
0287xxx.PXCN		2000	
0287xxx.U		500	
0287xxx.H		100	
0287xxx.L		50	
<b>ATOF® Ag (Silver Plated)</b>			
0287xxx.PXS		2000	

### Ratings

P	N <sup>1</sup>	C <sup>1</sup> R <sup>1</sup> (A)	H <sup>1</sup> C <sup>1</sup> M	T <sup>1</sup> D <sup>1</sup> (s)	C <sup>1</sup> R <sup>1</sup> Ω <sup>1</sup> (Ω)	I <sup>2</sup> (A <sup>2</sup> )
0287001_		1	█	176	123	0.4
0287002_		2	█	141	53.5	1.4
0287003_		3	█	137	31.1	7.4
0287004_		4	█	136	22.8	14
0287005_		5	█	128	17.85	26
028707.5_		7.5	█	116	10.91	60
0287010_		10	█	109	7.70	115
0287015_		15	█	102	4.80	340
0287020_		20	█	98	3.38	520
0287025_		25	█	92	2.52	1080
0287030_		30	█	84	1.97	1510
0287035_		35	█	87	1.61	2280
0287040_		40	█	96	1.44	3310

### Dimensions

Dimensions in mm



\*Component Level Temperature = the maximum ambient temperature that a single fuse will survive. This does not factor-in the heat from a populated fuse box, but does include the heat from the current load with the proper derating. \*\*System Level Temperature represents the ambient temperature of the fuse box at a location within the vehicle. The temperature within a populated fuse box (in a given location) will be higher. The limiting factor is the plating. Sn-plating's temperature limit is ~130°C, and Ag-plating allows up to 150°C at the terminal interface.

Rev 11252019

Littelfuse products are not designed for, and shall not be used for, any purpose (including, without limitation, automotive, military, aerospace, medical, life-saving, life-sustaining or nuclear facility applications, devices intended for surgical implant into the body, or any other application in which the failure or lack of desired operation of the product may result in personal injury, death, or property damage) other than those expressly set forth in applicable Littelfuse product documentation. Warranties granted by Littelfuse shall be deemed void for products used for any purpose not expressly set forth in applicable Littelfuse documentation. Littelfuse shall not be liable for any claims or damages arising out of products used in applications not expressly intended by Littelfuse as set forth in applicable Littelfuse documentation. The sale and use of Littelfuse products is subject to Littelfuse Terms and Conditions of Sale, unless otherwise agreed by Littelfuse.