# Blade Fuses







MICRO2™ Sn (Tin plated) Blade Fuses

### MICRO2™ Blade Fuses Rated 32V

105°C and 85°C are typical system level temperature requirements.

The MICRO2™ Fuse is the new standard for vehicle circuit protection. Its sub-miniature design meets the need for more circuits to be protected while utilizing less space and its ability to cope with high temperatures in adverse environments makes the MICRO2™ Fuse of recommended choice for protection.

Black amperage stamps are used on the 20A & 25A / light colored housings to improve contrast for vision system inspection.

Specifications	MICR02	MICRO2 Sn
	(Silver Plated)	(Tin Plated)
Voltage Rating:	32 VDC	32 VDC
Interrupting Ratings:	1000A @ 32 VDC	1000A @ 32 VDC
*Component Level Temperature Range:	-40°C to +125°C	-40°C to +105°C
**System Level Temperature Range:	-40°C to +105°C	-40°C to +85°C

Terminals: Ag plated zinc alloy Sn plated zinc alloy

Housing Material: PA66 PA66

Conforms to: SAE 2741 and ISO 8820-3 in reference to electrical, mechanical

### RoHS

#### Ordering Information

## Time-Current Characteristics

and environmental performance requirements

Part Number	Package Size		
0327xxx.YX2S	4000		
0327xxx.UXS	500		
0327xxx.LXS	50		
MICRO2 Sn Fuse			
0327xxx.YX2T	4000		

% of Rating	Opening Time Min / Max
110	100 h / —
135	0.75 sec / 120 sec
160	0.30 sec / 50 sec
200	0.15 sec / 5 sec
350	0.04 sec / 0.50 sec
600	0.02 sec / 0.100 sec

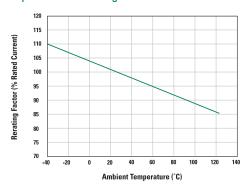
#### Ratings

	9.1 MAX	-	
15.3		0	
_			Щ
7.4			
4×0.5-		L <sub>4X 1</sub>	2×0.8-
2X	2.5	-	

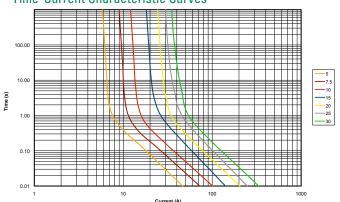
3						
Part Number	Current Rating (A)	Housing Material Color	Typ. Voltage Drop (mV)	Cold Resistance (mΩ)	l²t (A²s)	
0327005	5		116	17.4	17	
032707.5_	7.5		106	10.8	47	
0327010	10		102	7.7	89	
0327015	15		94	4.9	189	
0327020	20		91	3.5	397	
0327025	25		90	2.6	585	
0327030	30		88	2.1	1028	

#### Temperature Rerating Curve

**Dimensions**Dimensions in mm



### Time-Current Characteristic Curves



\*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 rerating. \*\*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.

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## Littelfuse:

0327015.ZXS 0327020.ZXS 0327025.ZXS 0327030.ZXS 032707.5ZXS 0327010.ZXS 0327005.ZXS

0327005.LXS 0327010.LXS 0327015.LXS 0327020.LXS 0327025.LXS 0327030.LXS 032707.5LXS 032707.5YX2S

0327030.YX2S 0327010.YX2S 0327005.YX2S 0327015.YX2S 0327025.YX2S 0327020.YX2S 0327020.UXS

032707.5UXS 0327015.UXS 0327030.UXS 0327900.UXS 0327005.UXS 0327010.UXS 0327025.UXS