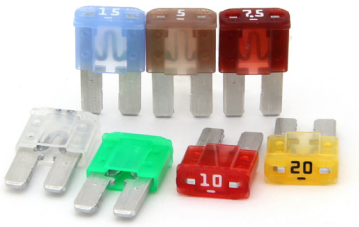
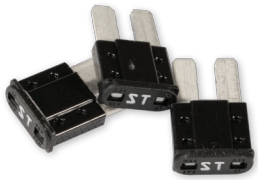
Blade Fuses

Littelfuse
Expertise Applied | Answers Delivered



MICRO2™ Blade Fuses



MICRO2® Shunt

MICRO2™ Blade Fuses Rated 32V

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

	MICRO2 (Silver Plated)	MICRO2 (Tin Plated)
Voltage Rating:	32 VDC	32 VDC
Interrupting Ratings:	1000A @ 32 VDC	1000A @ 32 VDC
*Recommended Environmental Temperature:	-40˚C to +125˚C	-40˚C to +125˚C
Terminals Material:	Silver plated zinc alloy	Tin plated zinc alloy
Housing Material:	PA66 (U.L. 94 Flammability rating – V2)	PA66 (U.L. 94 Flammability rating – V2)
Net Weight Per Fuse:	0.53±5% gr	0.53±5% gr
Complies with:	SAE 2741, ISO 8820-12:2020	

*Tin plating's temperature limit is ≈130˚C. Silver plating allows up to 150˚C at the terminal interface.

RoHS

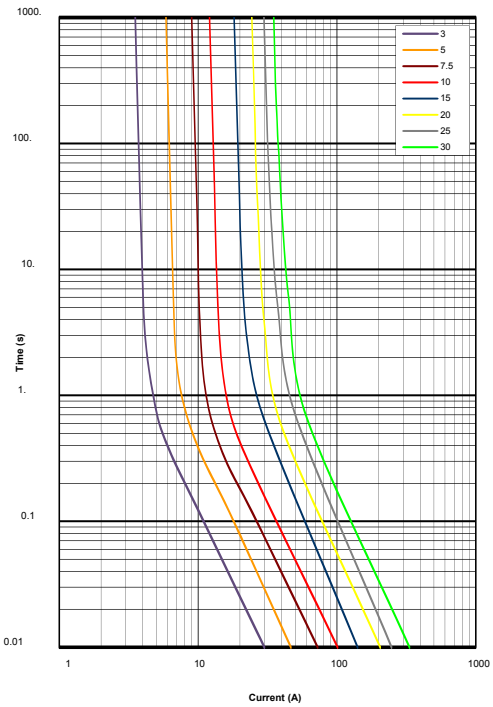
Ordering Information

Part Number	Rating	Package Size
MICRO2 (Silver Plated)		
0327xxx.YX2S	3-30 & SHUNT	4000
0327xxx.UXS	3-30	500
0327xxx.LXS	3-30	50
MICRO2 (Tin Plated)		
0327xxx.YX2T	5-30	4000

Time-Current Characteristics

% of Rating	Opening Time Min / Max (s)
110	360,000 / ∞
135	0.75 / 120
160	0.3 / 50
200	0.15 / 5
350	0.04 / 0.5
600	0.02 / 0.1

Time-Current Characteristic Curves



Ratings

Part Number	Current Rating (A)	Housing Material Color	Test Cable Size (mm²)	Typ. Voltage Drop (mV)	Typ. Cold Resistance (mΩ)	Typ. I²t (A²s)
0327003._	3 (*)		0.35	113	31.7	9
0327005._	5		0.5	116	17.4	17
032707.5_	7.5		0.75	106	10.8	47
0327010._	10		1	102	7.7	90
0327015._	15		1.5	94	4.9	190
0327020._	20		2.5	91	3.5	400
0327025._	25		2.5	90	2.6	580
0327030._	30		4	88	2.1	1,000
0327900._	SHUNT		-	-	-	-

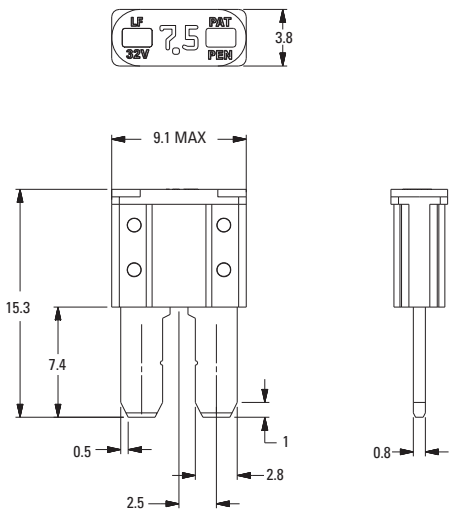
* 3 A rating is available only as Silver Plated version

The typical I²t is an average value calculated from the breaking capacity tests by using the melting time before the arcing occurs.

MICRO2™ Blade Fuses Rated 32V

Dimensions

Dimensions in mm for reference only.
See outline drawing for dimensions and tolerances.



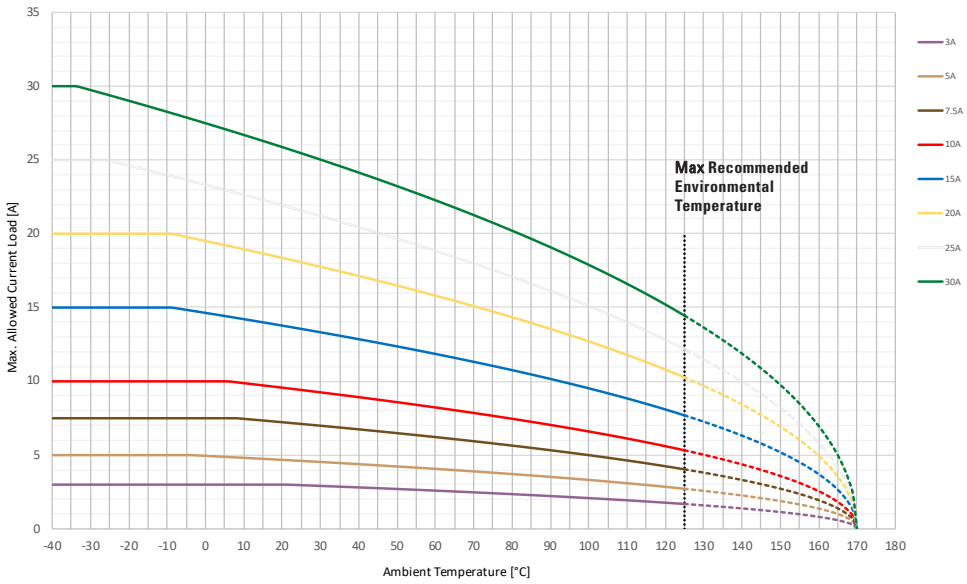
Temperature Table

	max. allowed current load [A] at ambient temperature (typical derating)						
	-40°C	0°C	20°C	65°C	85°C	110°C	125°C
3A	3	3	3	3	2	2	2
5A	5	5	5	4	4	3	3
7.5A	7.5	7.5	7	6	5	5	4
10A	10	10	10	8	7	6	5
15A	15	15	14	12	10	9	8
20A	20	20	18	15	14	12	10
25A	25	23	22	18	17	14	12
30A	30	27	26	22	20	17	14

MICRO2 SHUNT Maximum Continuous Load: 20A.

Typical Derating Of Fuse Melting Element

Temperature Security Margin is 20%
Wire Cross Section And Fixture Test Set Up Refer To ISO 8820-12
Please Contact Littelfuse® For Details Regarding Derating Test Set Up



Derating curves may change depending on the final condition of the application (terminals characteristics, wire size exc..). Please ask Littelfuse® for more information.

单击下面可查看定价，库存，交付和生命周期等信息

>>Littelfuse(美国力特)