

Surface Mount Fuses

NANO²[®] > 500 VDC Rated Fuse > 885 Serie



The 885 Nano² Surface Mount Fuses are high voltage rated fuses with high interrupting current ratings at 450VDC/500VDC and 350VAC. It complies with IEC 60127-7 Standard.

Features

- Heat resistant plastic body, UL 94 V-0
- Meets Littelfuse's Automotive qualifications*
- Low voltage drop
- High Reliability Solderless Fuse
- High pulse resistance
- Lead-free -- compatible with lead-free solders and higher temperature profiles
- Halogen-free and RoHS compliant

* Largely based on Littelfuse internal AEC-Q200 test plan

Agency Approvals

AGENCY	AGENCY FILE NUMBER	AMPERE RANGE
	E10480	1A-5A
	R50395911	1A-5A

Electrical Characteristics for Series

% of Ampere Rating	Opening Time
125%	1 hour, Minimum
200%	2 minutes, Maximum
1000%	1 second, Maximum

Applications

- Li-ion battery packs used in electric vehicles
- Battery Management Systems (BMS)
- Sense lines
- HV DC/DC converter

Additional Information



Datasheet



Resources



Samples

Electrical Specifications by Item

Ampere Rating (A)	Amp Code	Max Voltage Rating (V)	Interrupting Rating	Nominal Cold Resistance (Ohms) ₁	Nominal Melting I _t (A ₂ sec)	Nominal Voltage Drop (mV)	Nom Power Dissipation (mW)	Agency Approvals	
1.00	001.	500	1500A @ 350VDC 100A @ 500VDC 100A @ 350VAC	0.0780	0.80	105	105	X	X
1.25	1.25			0.0630	1.25	105	131	X	X
1.60	01.6			0.0473	2.30	98	157	X	X
2.00	002.			0.0322	4.70	91	182	X	X
2.50	02.5	450	1500A @ 125VDC 100A @ 500VDC 100A @ 350VAC	0.0267	6.90	88	220	X	X
3.15	3.15			0.0196	13.35	79	249	X	X
4.00	004.			0.0152	21.30	79	316	X	X
5.00	005.		100A @ 350VAC	0.0119	35.00	79	395	X	X

Notes:

1. Cold resistance measured at less than 10% of rated current at 23°C.

2. I_t values slated for 10xI_n opening time

3. If you have special electrical characteristic needs, please contact Littelfuse to discuss application specific options.