

# Surface Mount Fuses

NANO<sup>2</sup><sup>®</sup> > 250V/350V VAC/VDC Time Lag Fuse > 462 Series



The 462 series Nano<sup>2</sup><sup>®</sup> Surface Mount Fuse has time-lag current characteristics with interrupting ratings rated at 250V and 350V. It complies with IEC 60127-4 Universal Modular Fuse-Links.

- Heat resistant plastic housing, UL 94 V-0
- Designed for line or low voltage applications
- Low voltage drop
- Internationally approved
- High pulse resistance
- Lead-free -- compatible with lead-free solders and higher temperature profiles
- Available in ratings of 0.5A to 5A

## Agency Approvals

AGENCY	AGENCY FILE NUMBERS	AMPERE RANGE
	E67006	0.5A - 5A
	40022235	1A, 1.6A, 2A, 3.15A, 4A
	NBK250416-JP1021	1A - 1.6A
	JET1896-31007-1005	2A - 5A
	CQC14012115883	1.6A
	E242325	0.5A - 5A

## Applications

- Lighting ballast
- AC/DC adaptor primary protection
- Transformerless AC/DC converter circuit
- High DC voltage power distribution system

## Electrical Characteristics for Series

% of Amp Rating	Opening Time
125%	1 hour, Minimum
200%	2 minutes, Maximum
1000%	10 milliseconds, Minimum 100 milliseconds, Maximum

## Additional Information



Datasheet



Resources



Samples

## Electrical Specifications by Item

Ampere Rating	Amp Code	Max Voltage Rating (V) <sub>5</sub>	Interrupting Rating	Nominal Cold Resistance (Ohms) <sub>1</sub>	Nominal Melting	Nom Voltage Drop (mV)	Nom Power Dissipation (mW)	Agency Approvals <sub>3</sub>						
0.500	0500	250	100A @ 350VAC/VDC <sub>4</sub> 150A @ 250VAC/VDC	0.2270	0.43	160	200	X		X				
0.630	0630			0.1570	0.80	160	200	X		X				
0.800	0800			0.1300	1.40	160	250	X		X				
1.00	1100			0.0867	2.70	140	250	X	X	X		X		
1.25	1125			0.0602	5.20	130	250	X		X		X		
1.60	1160			0.0443	9.70	130	280	X	X	X	X	X		
2.00	1200			0.0335	5.44	120	300	X	X	X		X		
2.50	1250			0.0278	8.00	120	450	X		X		X		
3.15	1315			0.0204	14.00	110	600	X	X	X		X		
4.00	1400			0.0158	21.00	110	800	X	X	X		X		
5.00	1500				150A @ 250VAC/VDC	0.0124	40.00	110	1000	X		X		X

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

2. I<sub>t</sub> values slated for 8ms opening time

3. Agency Approval Table Key: X = Approved or Certified, P = Pending

4. UL Recognition - IR at 100A @ 350 VAC/VDC

5. Rated at 350VAC/VDC per UL Recognition under UL248 (up to 4A only). Rated at 250VAC/VDC per VDE under IEC standard 60127-4.

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