

# Surface Mount Fuses

NANO<sup>2</sup><sup>®</sup> > Very Fast Acting Fuse > 456 Series



The High Current NANO<sup>2</sup><sup>®</sup> Fuse is a small square surface mount fuse that is designed to support higher current requirements of various applications.

- Surface mount high current fuse
- Fully compatible with lead-free solder alloys and higher temperature profiles associated with lead-free assembly
- RoHS compliant and Halogen Free
- Available in ratings of 20 to 40 Amperes

## Agency Approvals

AGENCY	AGENCY FILE NUMBER	AMPERE RATING
	E10480	20A - 40A
	T50291892	20A - 30A
	NBK030308-JP1021	20A - 30A
	29862	20A - 40A

## Electrical Characteristics

% of Ampere Rating	Opening Time
100%	4 hours, Minimum
200%	60 seconds, Maximum

## Applications

- Voltage regulator module for PC server
- Cooling fan system for PC server
- Storage system power
- Basestation power supply

## Additional Information



Datasheet



Resources



Samples

## Electrical Specifications

Ampere Rating (A)	Amp Code	Max Voltage Rating (V)	Interrupting Rating	Nominal Cold Resistance (Ohms)	Nominal Melting I <sub>2</sub> t (A <sup>2</sup> Sec.)	Nom Voltage Drop (mV)	Agency Approvals			
							PS	E		
20	020.	125	100A @125VAC 300A @ 65VAC 300A @ 100VDC 1000A @ 32VDC 500A @ 72VDC	0.00230	18	64.7	x	x	x	x
25	025.	125	100A @ 125VAC 300A @ 65VAC 500A @ 72VDC 1000A @ 32VDC	0.00192	45	68.38	x	x	x	x
30	030.	125	100A @ 125VAC 300A @ 65VAC 1000A @ 32VDC 500A @ 72VDC	0.00132	81	69.9	x	x	x	x
40	040.	72	180A @ 72VDC 600A @ 60VDC	0.00105	191	55	x			x

Notes:

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

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

3. I<sub>2</sub>t values stated for 1 msec opening time.