


Surface Mount Fuses

Nano²® > 600VDC > Fast-Acting Fuse > 485 Series



The 485 Nano² Fuse Series is a small, fast-acting, surface mount ceramic fuse rated at a remarkable 600VDC at its small size and with 100A breaking capacity. It is primarily designed for circuit protection in high energy applications. This product is fully compatible with lead-free solder alloys and higher temperature profiles associated with lead-free assembly.

Agency Approvals

Agency	Agency File Number	Ampere Rating
	E10480	1A - 3.15A
	29862	1A - 3.15A

Electrical Characteristics for Series

% of Ampere Rating	Opening Time at 25°C
100%	4 hours, Minimum
200%	60 seconds, Maximum

- Fast-Acting / Surface mount high fuse for voltage (up to 600VDC) applications.
- Fully compatible with lead-free solder alloys and higher temperature profiles associated with lead-free assembly.
- Relatively high breaking capacity at 100A.
- RoHS compliant / Halogen Free
- Rating – 1 - 3.15 Amperes.

Applications

- PC server and Telecom systems
- LCD TV inverter boards DC input protection
- Uninterruptible Power Supply (UPS) / 3-Phase Power Supplies
- 380VDC server / lighting in data center

Additional Information



Datasheet



Resources



Samples

Electrical Specifications by Item

Ampere Rating (A)	Amp Code	Max Voltage Rating (V)	Interrupting Rating	Nominal Cold Resistance (Ohms)	Nominal Melting I ₂ t (A ² sec)	Agency Approvals	
1.0	001.600		100A@600VDC, 100A@250VAC	0.264	0.3044	X	X
1.50	01.5	600		0.123	0.3917	X	X
2.00	002.	600		0.0744	0.8962	X	X
2.50	02.5	600		0.0583	1.4921	X	X
3.15	3.15	600		0.0395	3.304	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 and Blank=Not Approved.
3. I₂t values stated for 8 msec opening time.