

Surface Mount Fuses

NANO²® Fuse > 250V > Fast Acting > 476 Series



Agency Approvals

Agency	Agency File Number	Ampere Range
	E10480	1A - 15A

Applications

- LED Lighting
- LCD/LED TVs
- Power Supply Units
- White Goods

Description

The 476 Series is a family of 250V rated fuses with a very small 2410 footprint. It is the smallest SMD fuse with this high voltage rating and is designed to mainly serve as primary side circuit protection for compact devices with high voltage requirements.

Features

- Small 2410 Footprint
- 250V Voltage Rating (1A to 5A)
- High Interrupting Ratings
- Fast-Acting
- RoHS Compliant and Halogen-Free
- Designed in accordance with IEC 60127-4 Universal Modular Fuse requirement
- Wide Operating temperature range of -55°C to 125°C
- IEC 61000-4-5 2 ed. Surge Immunity Test Compliant (1.2 x 50us/8x20us combination wave 500V/250A for <25W Lamp Category) – 3A and above ampere rating only

Electrical Characteristics for Series

% of Ampere Rating	Ampere Rating	Opening Time
100%	1A - 15A	4 Hour, Minimum
125%	1A - 5A	1 Hour, Minimum
200%	1A - 15A	120 Sec., Maximum
1000%	1A - 5A	0.001 Sec., Min; 0.01 Sec., Max

Electrical Characteristic

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
1.00	001	250V	100A @ 250VAC 300A @ 125VDC 10kA @ 86VDC	0.1575	0.193	x
1.25	1.25	250V		0.122	0.276	x
1.60	01.6	250V		0.0825	0.620	x
2.00	002	250V		0.0448	0.530	x
2.50	02.5	250V		0.0363	0.910	x
3.00	003	250V		0.0277	1.660	x
3.50	03.5	250V		0.0234	2.356	x
4.00	004	250V		0.01839	2.820	x
5.00	005	250V		0.0157	4.000	x
6.30	06.3	125V		0.0126	7.500	x
7.00	007	125V	100A@125VAC 300A@125VDC 10kA@86VDC	0.0116	7.800	x
8.00	008	125V		0.0112	9.757	x
10.0	010	125V		0.0096	14.879	x
12.0	012	125V		0.006	20.635	x
15.0	015	125V		0.0045	61.286	x

Notes: 1. Cold resistance measured at less than 10% of rated current at 25°C

2. Agency Approval Table Key: X = Approved or Certified, P=Pending and Blank=Not Approved.

3. I₂t values stated for 8msec opening time.

4. For 15A rating with 10kA@86VDC IR, please use suffix "S" for ordering. Refer to Part Numbering System for reference.