

# Surface Mount Fuses

## Ceramic Fuse > 44



This 100% Lead-free, RoHS compliant and Halogen-free fuse series has been designed specifically to provide over current protection to circuits that see high working ambient temperatures (up to 150°C) and high inrush currents.

The fuse design ensures excellent temperature stability and performance reliability.

This high I<sup>2</sup>t fuse series is designed to have ultra high inrush current withstand capability to avoid nuisance fuse open.

### Agency Approvals

AGENCY	AGENCY FILE NUMBER	AMPERE RANGE
	E10480	2A - 6A
	29862	2A - 6A

### Features

- Operating Temperature from -55°C to 150°C
- 100% Lead-free, Halogen-Free and RoHS compliant
- Suitable for both leaded and lead-free reflow / wave soldering
- Ultra high I<sup>2</sup>t values

### Electrical Characteristics

% of Ampere Rating	Ampere Rating	Opening Time at 25°C
100%	2A - 6A	4 Hours Minimum
350%	2A - 6A	5 Seconds Maximum

### Applications

- Handheld Electronics
- LCD Displays
- Battery Packs
- Hard Disk Drives
- SD Memory Cards

### Electrical Specifications by Item

Ampere Rating (A)	Amp Code	Max. Voltage Rating (V)	Interrupting Rating	Nominal Resistance (Ohms) <sub>2</sub>	Nominal Melting I <sup>2</sup> t (A <sup>2</sup> Sec.) <sub>3</sub>	Nominal Voltage Drop At Rated Current (V) <sub>4</sub>	Nominal Power Dissipation At Rated Current (W)	Agency Approvals	
2	002.	32	50 A @ 32 VDC	0.0302	0.3103	0.0551	0.110	X	X
2.5	02.5	32		0.0200	0.5520	0.0534	0.134	X	X
3	003.	32		0.0158	0.8165	0.0531	0.159	X	X
3.5	03.5	32		0.0117	0.9438	0.0468	0.164	X	X
4	004.	32		0.0097	1.2659	0.0475	0.190	X	X
5	005.	32		0.0073	1.6287	0.0472	0.236	X	X
6	006.	32		0.0056	2.6049	0.0464	0.278	X	X

- Notes:
1. DC Interrupting Rating tested at rated voltage with time constant < 0.8 msecs.
  2. Nominal Resistance measured with < 10% rated current.
  3. Nominal Melting I<sup>2</sup>t measured at 1 msec. opening time.
  4. Nominal Voltage Drop measured at rated current after temperature has stabilized.
- Devices designed to carry out rated current for 4 hours minimum. It is recommended that devices be operated continuously at no more than 80% rated current. See "Temperature Re-rating Curve" for additional re-rating information.
- Devices designed to be mounted with marking code facing up.

### Additional Information



Datasheet



Resources



Samples