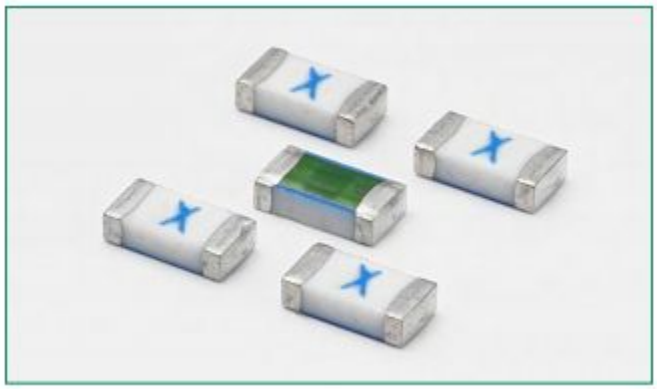
Surface Mount Fuses

Ceramic Fuse > 440 Series



The 440 Series is a 100% Lead-free, RoHS compliant and Halogen-free fuse series designed specifically to provide over-current protection to circuits that operate under high working ambient temperatures up to 150ºC and high inrush currents. The general design ensures excellent temperature stability and performance reliability. This high I^2t fuse series is designed to have ultra high inrush current withstand capability to avoid nuisance fuse open.

Features

- Operating Temperature from -55ºC to +150ºC
- 100% Lead-free, RoHS compliant and Halogen-free
- Suitable for both leaded and lead-free reflow / wave soldering
- Ultra high I^2t values

Applications

- LCD Displays
- Servers
- Notebook Computers
- Printers
- Scanners
- Data Modems
- Hard Disk Drives

Agency Approvals

AGENCY	AGENCY FILE NUMBER	AMPERE RANGE
	E10480	.25A - 8A
	29862	.25A - 8A

Electrical Characteristics for Series

% of Ampere Rating	Ampere Rating	Opening Time at 25ºC
100%	0.25A - 8A	4 hours, Minimum
350%	0.25A - 8A	5 secs., Maximum

Additional Information

Datasheet | **Resources** | **Samples**

Electrical Specifications by Item

Ampere Rating (A)	Amp Code	Max. Voltage Rating (V)	Interrupting Rating (AC/DC)[1]	Nominal Resistance (Ohms)[2]	Nominal Melting I^2t (A^2Sec.)[3]	Nominal Voltage Drop At Rated Current (V)[4]	Nominal Power Dissipation At Rated Current (W)	Agency Approvals	
0.25	.250	125	50 A @ 125 V AC/DC	2.140	0.00649	0.5260	0.132	x	X
0.375	.375	125		1.216	0.01455	0.4993	0.187	x	X
0.5	.500	63	50 A @ 63 V AC/DC	0.8140	0.02642	0.4831	0.242	x	X
0.75	.750	63	50 A @ 63 V AC/DC	0.4624	0.09312	0.3983	0.299	x	X
1	001.	50	50 A @ 50 V DC 50 A @ 50 V AC	0.3096	0.21054	0.3457	0.346	x	X
1.25	1.25	50		0.2265	0.379	0.3240	0.405	x	X
1.5	01.5	50		0.1759	0.50652	0.3215	0.482	x	X
1.75	1.75	32	50 A @ 32 V AC/DC	0.0450	0.3312	0.0777	0.136	x	X
2	002.	32		0.0385	0.4326	0.0792	0.158	x	X
2.5	02.5	32		0.02850	0.8191	0.0747	0.187	x	X
3	003.	32		0.02252	1.232	0.0742	0.223	x	X
3.5	03.5	32		0.01845	1.789	0.0757	0.265	x	X
4	004.	32		0.01553	2.601	0.0709	0.284	x	X
5	005.	32		0.0120	4.761	0.0654	0.327	x	X
7	007.	32		0.00753	8.464	0.0696	0.487	x	X
8	008.	32		0.00634	12.95	0.0655	0.524	x	X

Notes:

1. AC Interrupting Rating tested at rated voltage with unity power factor. DC Interrupting Rating tested at rated voltage with time constant < 0.8 msec.
2. Nominal Resistance measured with < 10% rated current.
3. Contact Littelfuse if application transient surges are less than 1 ms.
4. Nominal Voltage Drop measured at rated current after temperature has stabilized.

Devices designed to carry rated current for 4 hours minimum. It is recommended that devices be operated continuously at no more than 80% rated current. See "Temperature Derating Curve"for additional derating information.
Devices designed to be mounted with marking code facing up.