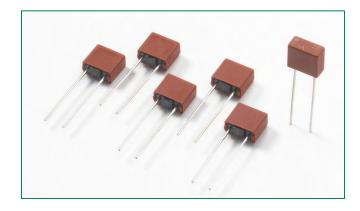


385 Series, TE5® Telecom Interface Protector Fuse





Agency Approvals

Agency	Agency File Number	Ampere Range
c FL °us	E67006	0.350A - 1.5A

Additional Information







Description

The 385 Series TE5R Telecom Interface Protector Fuses are 125V rated, Time-Lag type and designed in accordance to UL 248-14.

Features

- Surge proof for telecom applications
- Reduced PCB space requirements
- Highly defined cut-off times
- · Low internal resistance
- Irreversible physical separation
- Flame resistant encapsulated casing
- Available from 0.350A to 1.5A

Applications

- Battery chargers
- Consumer Electronics
- Power suppliesIndustrial controllers
- Telecom

Electrical Characteristics

% of Ampere Rating	Opening Time
100%	2 Hours,
300%	300 ms., Min.; 5 sec., Max.

Electrical Characteristics

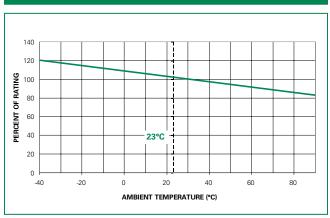
			Breaking Capacity	Nominal Cold Drop Resistance (Ohms) Voltage Drop 1.0xl _N max. (mV)	Power	Melting	Surge Amplitude (A) ¹			Agency Approvals	
	Rated Current				1.0×I _N max.	Disspation 1.0×I _N max. (mW)	Integral 10×I _N max. (A²s)	FCC	Bellcore	ITU	c AL °us
0350	350mA	125V	50A @125VAC	0.4320	250	90	0.78	32	19	36	Х
0500	500mA	125V		0.2570	220	110	1.81	48	26	61	х
0800	800mA	125V		0.1290	170	130	4.35	80	42	67	X
1100	1.00A	125V		0.0830	140	130	6.75	100	52	67	Х
1125	1.25A	125V		0.0610	125	140	9.84	128	65	67	Х
1150	1.50A	125V		0.0495	120	170	11.52	155	78	67	Х

FCC 47 Part 68: Minimum pulse load quantity is 2 pulses at a test generator output of 800V and 10x560µs waveform.
 ITU-T K.20: Minimum pulse load quantity is 30 pulses at a test generator output of 1000V, 67A and 10x700µs waveform.
 Bellcore GR-1089: Minimum pulse load quantity is 50 pulses at a test generator output of 1000V and 10x1000µs.

Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.



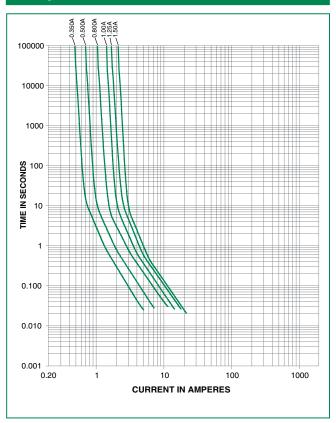
Temperature Re-rating Curve



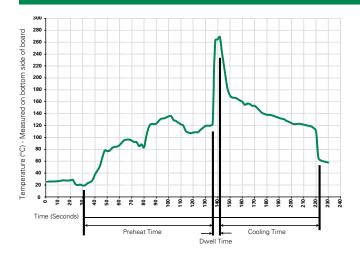
Note:

1. Rerating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

Average Time Current Curves



Soldering Parameters - Wave Soldering



Recommended Process Parameters:

Wave Parameter	Lead-Free Recommendation		
Preheat:			
(Depends on Flux Activation Temperature)	(Typical Industry Recommendation)		
Temperature Minimum:	100°C		
Temperature Maximum:	150°C		
Preheat Time:	60-180 seconds		
Solder Pot Temperature:	260°C Maximum		
Solder DwellTime:	2-5 seconds		

Solder Iron Temperature: 350°C +/- 5°C

Heating Time: 5 seconds max.

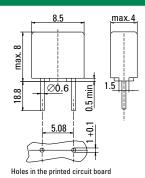


Product Characteristics

Materials	Base/Cap: Brown Thermoplastic Polyamide PA 6.6, UL 94V-0 Round Pins: Copper, Tin-plated		
Lead Pull Strength	10N (IEC 60068-2-21)		
Solderability	260°C, ≤ 3s. (Wave) 350°C, ≤ 1s. (Soldering Iron)		
Soldering Heat Resistance	260°C, 10s. (IEC 60068-2-20) 350°C, 3s. (Soldering Iron)		

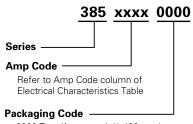
Operating Temperature	-40°C to +85°C (consider re-rating)		
Climatic Category	-40°C to +85°C/21 days (IEC 60068-1,-2-1,-2-2,-2-78)		
Stock Conditions	+10°C to +60°C RH, ≤ 75% yearly average, without dew, maximum value for 30 days-95%		
Vibration Resistance	24 cycles at 15 min. each (IEC 60068-2-6) 10 - 60Hz at 0.75mm amplitude 60 - 2000Hz at 10g acceleration		

Dimensions



Dimensions (mm) Long Leads (L=18.8mm)

Part Numbering System



0000 Tape/Ammopack (1,400 pcs.)

Packaging

Packaging Option Packaging Specification		Quantity	Quantity & Packaging Code	Taping Width				
385 Series								
Tape & Ammopack	N/A	1,400	0000	N/A				