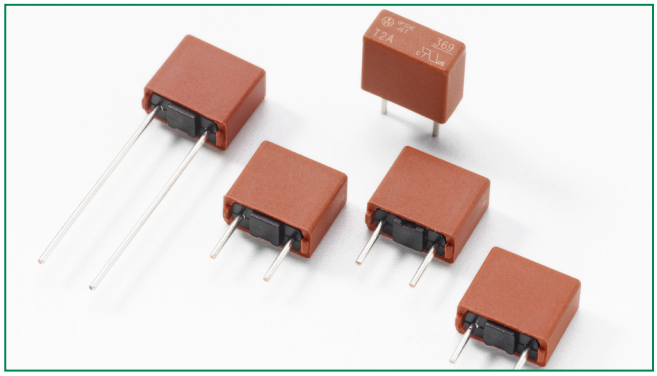
369 Series, TE5® Time-Lag Fuse



Description

TE5®, Time-lag type, 300V rated and designed in accordance to IEC60127-3.

Features

- Lead-free
- Reduced PCB space requirements
- Direct solderable or plug-in versions
- Internationally approved
- Low internal resistance
- Shocksafe casing
- Vibration resistant
- Halogen free

Applications

- Electronic Ballast

Agency Approvals

Agency	Agency File Number	Ampere Range
cULus	E67006	800mA - 6.3A
PSE JET	JET 1896-31007-2002	1A - 5A
S	1023263	1A - 6.3A
VDE	DE1-52036	1A, 1.6A, 2A, 3.15A, 4A, 6.3A

Electrical Characteristics for Series

% of Ampere Rating	Opening Time
150%	1 Hour, Minimum
210%	120 sec., Maximum
275%	400 ms., Min.; 10 sec., Max.
400%	150 ms., Min.;, 3 sec., Max.
1000%	20 ms., Min.; 150 ms., Max.

Electrical Characteristics

Amp Code	Amp Rating (A)	Voltage Rating (V)	Breaking Capacity	Voltage Drop 1.0 × I_N max. (mV)	Power Dissipation 1.5 × I_N max. (mW)	Melting Integral 10 × I_N min. (A^2s)	Agency Approvals			
							cULus	PSE JET	S	VDE
0800	0.800	300	50A@300VAC 50-60 Hz/cosφ = 1	110	280	3.80	x			
1100	1.00	300		115	400	5.80	x	x	x	x
1160	1.60	300		95	600	13.50	x	x	x	x
1200	2.00	300		90	700	21.00	x	x	x	x
1315	3.15	300		80	1100	55.00	x	x	x	x
1400	4.00	300		75	1200	100.00	x	x	x	x
1500	5.00	300		70	1000	90.00	x	x	x	
1630	6.30	300		65	1200	126.00	x		x	x

Additional Information

Datasheet | Resources | Samples

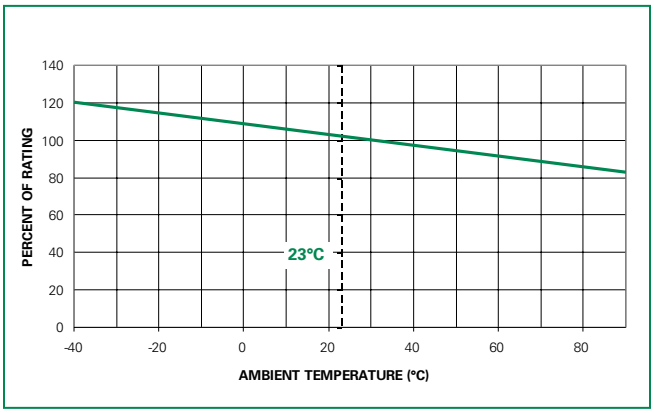
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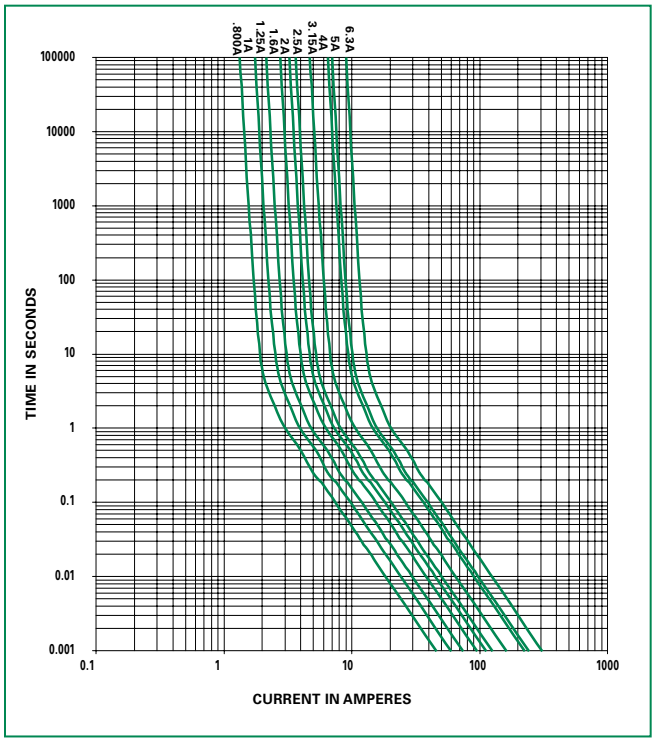
Radial Lead Fuses

TE5® > Time-Lag > 369 Series

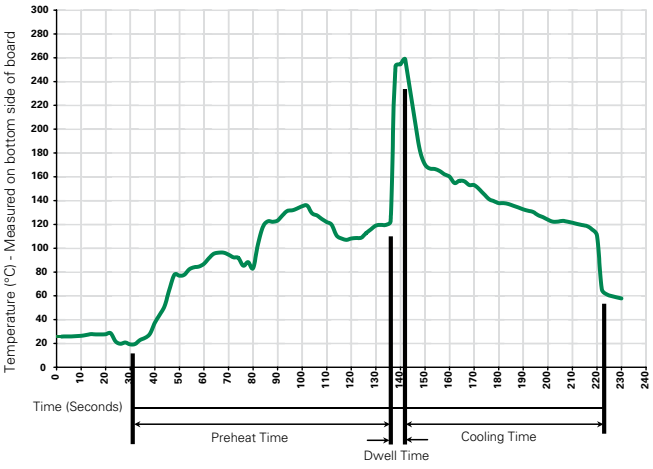
Temperature Rerating Curve



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 Dwell Time:	2-5 seconds

Recommended Hand-Solder Parameters:

Solder Iron Temperature: 350° C +/- 5°C
Heating Time: 5 seconds max.

Note: These devices are not recommended for IR or Convection Reflow process.

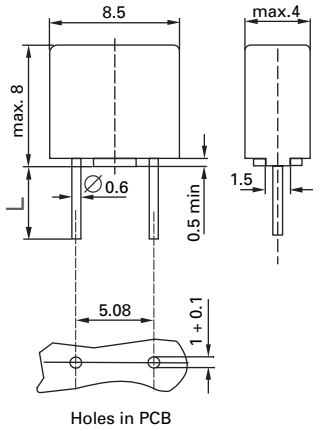
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Product Characteristics

Materials	Base/Cap: Brown Thermoplastic Polyamide PA6.6, UL 94 V0 Round Pins: Tin-plated Copper
Lead Pull Strength	10 N (IEC 60068-2-21)
Solderability	260°C, ≤ 3s (Wave) 350°C, ≤ 1s (Soldering Iron)
Soldering Heat Resistance	260°C, 10s (IEC60068-2-20) 350°C, 3s (Soldering Iron)

Operating Temperature	-40°C to +85°C (considerde-rating)
Climatic Category	-40°C / +85°C / 21days (EN60068-1,-2-1,-2-2,-2-78)
Stock Condition	+10°C to +60°C relative humidity 75% yearly average, without dew, maximum value for 30 days-95%
Vibration Resistance	24 cycles at 15min. Each (EN60068-2-6) 10 - 60 Hz at 0.75 mm amplitude 60 - 2000 Hz at 10g acceleration

Dimensions



Long Leads (L=18.8mm)
Short Leads (L=4.3mm)

Part Numbering System

369 xxxx 0000

Series

Amp Code

Refer to Amp Code column of Electrical Characteristics Table

Packaging Code

0000 Tape/Ammopack (1,400pcs.)
0440 Short Leads - Bulk (1,400pcs.)

Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code	Taping Width
369 Series				
Tape & Ammopack	N/A	1,400	0000	N/A
Short Leads	N/A	1,400	0440	N/A

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