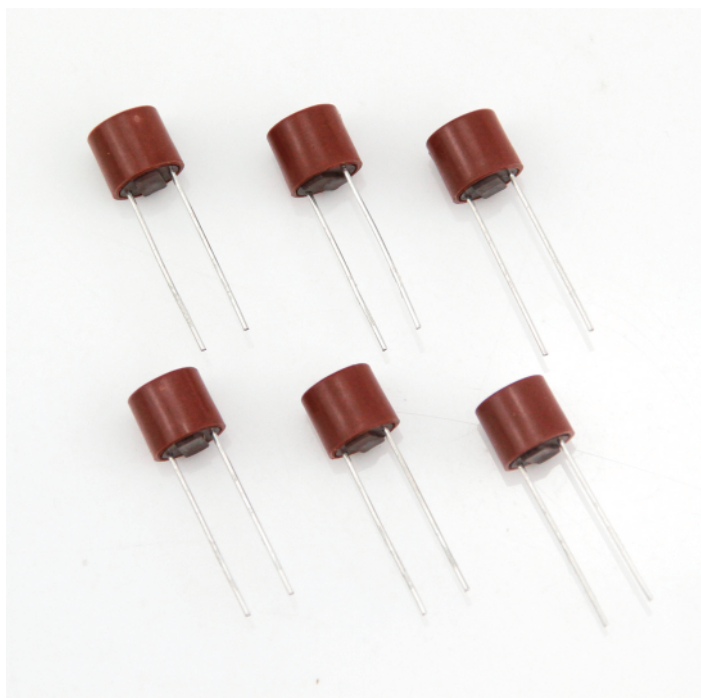


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PRODUCT DATASHEET

Miniature Fuse

372J Series, Time-Lag Fuse



Description

The 372J Series are time-Lag type, 250V rated fuses, with enhanced breaking capacity designed in accordance to IEC 60127-3.

Features

- Lead-free
- Reduced PCB space requirements
- Direct solderable or plug-in versions
- 100A breaking capacity
- Internationally approved
- Low internal resistance
- Shock safe casing
- Vibration resistant
- Halogen free

Agency Approvals

Agency	File Number	Ampere Range
	Pending	250mA - 10A

Applications

- Battery Chargers
- Consumer Elec. Jonics
- Power supplies
- Indus. Jial Con. Jollers

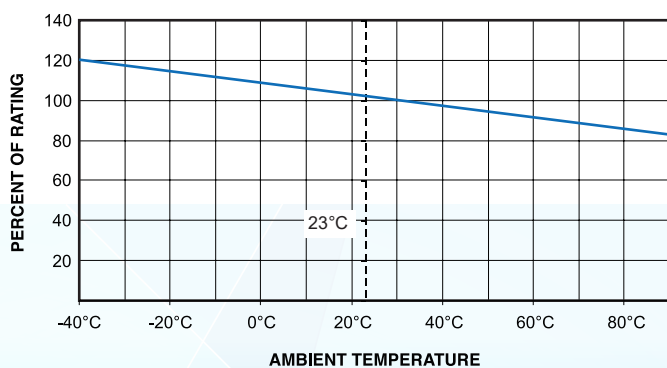
Elec. Jical Characteristics for Series

Rated Current	1.5 In	2.1 In	2.75 In	4 In	10 In
160mA~6.3A	1 hour min.	120s max.	400ms~10s	150ms~3s	20ms~150ms
8A~10A		300s max.	1s~20s		

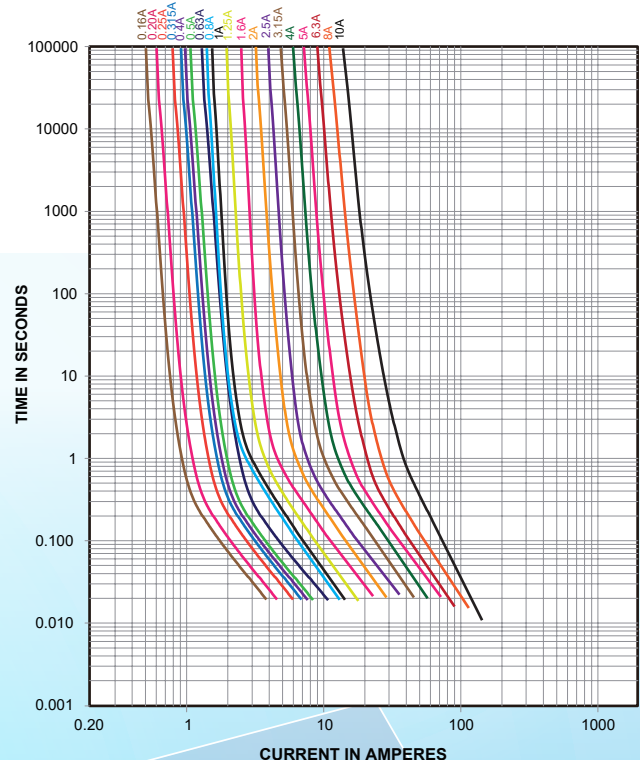
Performance Specification

Amp Code	Rated Current (A)	Voltage Rating (V)	Breaking Capacity	Voltage Drop 1.0×I _N max. (mV)	Power Dissipation 1.5×I _N max. (mW)	MeltingIntegral 10×I _N min. (A ² s)
3720160.J	0.16	250	100A@250VAC	138	280	0.19
3720200.J	0.20	250	100A@250VAC	131	289	0.26
3720250.J	0.25	250	100A@250VAC	126	293	0.32
3720315.J	0.315	250	100A@250VAC	117	297	0.43
3720400.J	0.40	250	100A@250VAC	114	301	0.48
3720500.J	0.50	250	100A@250VAC	110	305	0.5
3720630.J	0.63	250	100A@250VAC	107	320	1.2
3720800.J	0.80	250	35A@250VAC	104	360	2.6
3721100.J	1.00	250	100A@250VAC	100	400	3.0
3721125.J	1.25	250	100A@250VAC	95	465	4.5
3721160.J	1.60	250	100A@250VAC	90	490	9.0
3721200.J	2.00	250	100A@250VAC	85	670	12
3721250.J	2.50	250	100A@250VAC	80	750	22
3721315.J	3.15	250	100A@250VAC	75	900	32
3721400.J	4.00	250	100A@250VAC	70	1200	58
3721500.J	5.00	250	100A@250VAC	65	1250	90
3721630.J	6.30	250	100A@250VAC	65	1400	105
3721800.J	8.00	250	100A@250VAC	63	1600	180
3722100.J	10.00	250	100A@250VAC	57	1600	260

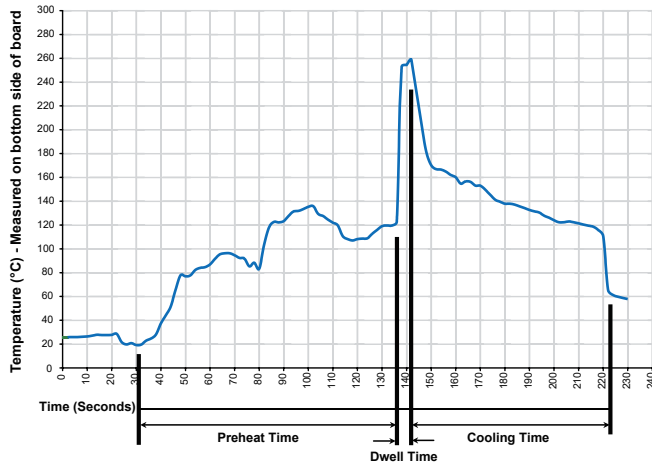
Temperature Derating Curve



Average Time-Current Curve



Soldering Parameters



Recommended Process Parameters:

Wave Parameter	Lead-Free Recommendation
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Preheat:

(Depends on Flux Activation Temperature) (Typical Indus.Jy 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

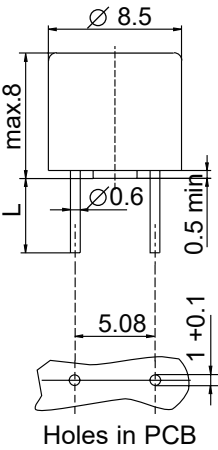
Heating Time: 5 seconds max.

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

Product Characteristics

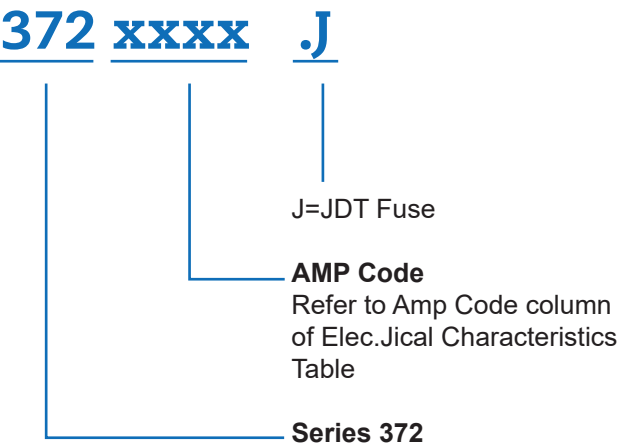
Materials	Base/Cap: Brown Thermoplastic Polyamide PA 6.6, UL 94 V-0 Round Pins: Copper, Tin-plated
Lead Pull S.Length	10 N (EN 60068-2-21)
Solderability	260°C, ≤ 3s. (Wave) 350°C, ≤ 1s. (Soldering Iron)
Soldering Heat Resistance	260°C, 10s. (IEC 60068-2-20) 350°C, 3s. (Soldering Iron)
Operating Temperature	-40°C to +85°C (consider de-rating)
Climatic Category	-40°C to +85°C /21 days (EN 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% 24 cycles at 15 min. each(EN 60068-2-6)
Vibration Resistance	10 - 60 Hz at 0.75 mm amplitude 60 - 2000 Hz at 10 g acceleration

Dimensions



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

Product Identification



Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code	Quantity & Packaging Code
372J Series				
Tape & Ammopack	N/A	1,000	0000	N/A