

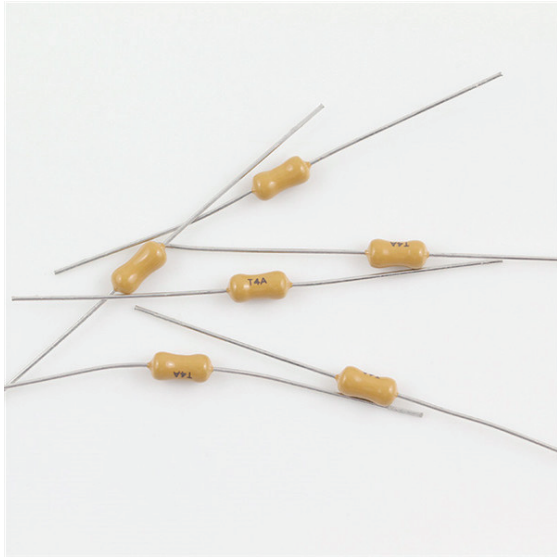


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PRODUCT DATASHEET

Miniature Fuse

JFP Series, Time-Lag Fuse



Applications

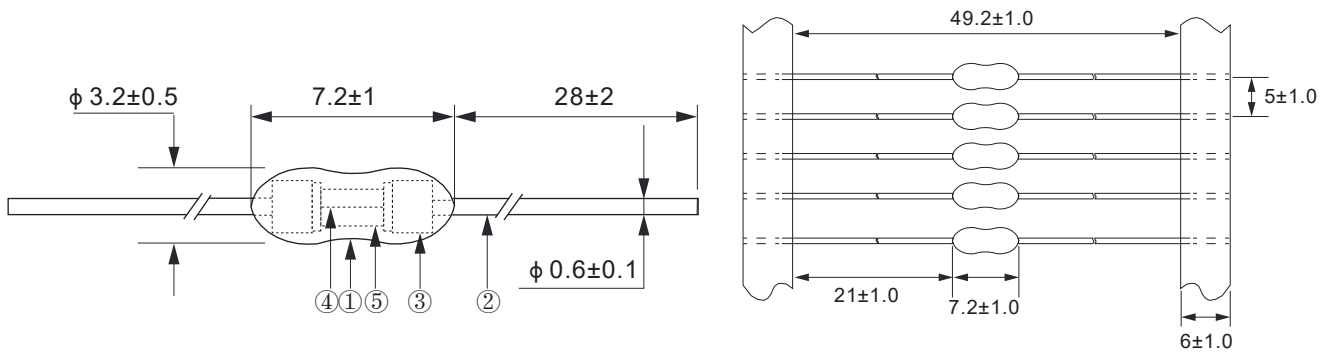
JFP Series, Time-Lag Fuse is suitable for various kinds of electronic devices' circuit over current protection. Widely used in industrial of Lighting, Power supply and Adapter applications, etc.

Agency Approvals

Agency	File Number
	JDYX2.E486200

Dimensions and Structure

Unit:mm



Product Identification

No.	Part Name	Material
①	Body Encapsulated	Epoxy Coated
②	Lead wire	Tin plated Copper
③	Cap	Nickel Plated Brass
④	Fuse element	Alloy wire
⑤	Body	Non-Transparent Ceramic Tube

Operating Characteristics

% of Ampere Rating(I_n)	Blowing Time
100%* I_n	4 hours Min
200%* I_n	60 sec Max

Performance Specification

Amp Code	Ampere Rating(A)	Voltage Rating(V)	Breaking Capacity	I ² T Melting Integral (A ² s)
JFP0100TL	0.100	250/125	50A@125V/250VAC	0.01
JFP0125TL	0.125			0.02
JFP0160TL	0.160			0.04
JFP0200TL	0.200			0.06
JFP0250TL	0.250			0.09
JFP0300TL	0.300			0.12
JFP0315TL	0.315			0.15
JFP0375TL	0.375			0.19
JFP0400TL	0.400			0.31
JFP0500TL	0.500			0.46
JFP0630TL	0.630			0.78
JFP0750TL	0.750			0.93
JFP0800TL	0.800			1.10
JFP1100TL	1.00			1.30
JFP1125TL	1.25			2.60
JFP1150TL	1.50			3.10
JFP1160TL	1.60			3.90
JFP1200TL	2.00			7.20
JFP1250TL	2.50			12.0
JFP1300TL	3.00			15.0
JFP1315TL	3.15	19.0		
JFP1350TL	3.50	24.0		
JFP1400TL	4.00	29.0		
JFP1500TL	5.00	59.0		
JFP1630TL	6.30	90.0		
JFP1700TL	7.00	145		

Text	Result
Test Condition	All electrical test is to be conducted with the ambient air at a temperature of 25±5℃.
Load capacity	When the fuse loads through 100% of rated current, should blow within 4 hours.
Rising Temperature Test	When the 100% times of Ampere Rating passes the fuse, after reaching thermal balance ,the temperature on the fuse surface rising shall not be higher than 75℃. Note: Rising temperature = the Surface temperature - Ambient temperature.

Product Characteristics

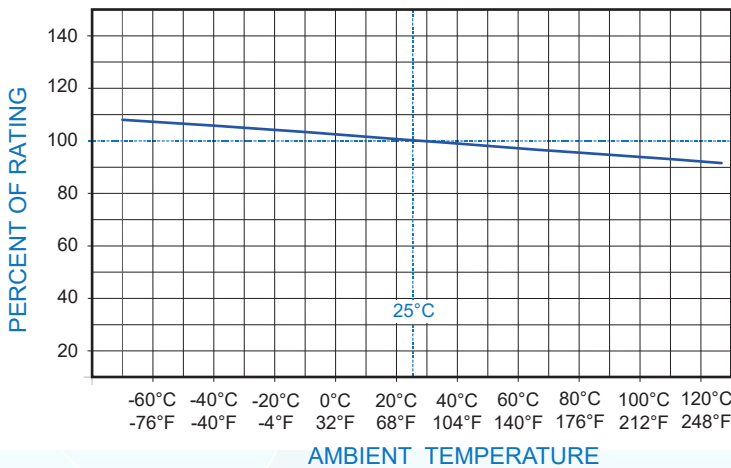
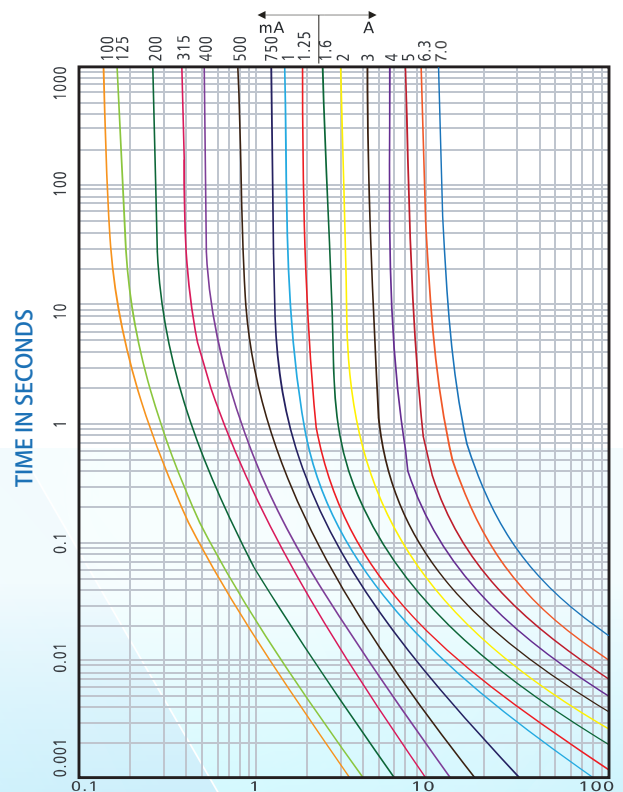
Attribute	Data	
Lead Pull Strength	5N for 10±1 S	
Lead Thrust Strength	2N for 10±1 S	
Solder ability	Wave	260℃ , ≤3S
	Soldering Iron	350±10℃ , ≤3S
Soldering Heat Resistance	Wave	260℃ , 10S
	Soldering Iron	350℃ , 5S

Environmental Characteristic

Operating Temperature	Stock Condition
-55℃ ~ +125℃	Humidity: Relative humidity ≤ 75% store 3 years in average

When choosing the fuse's specification, if the operating environmental temperature beyond the scope from 20~30℃ , engineer should consider the environmental temperature's affection to fuses.

Please refer: Temperature Derating Curve:


Average Time-Current Curve


Installation Recommendations

Soldering	Temperature	Times
Wave	260 °C Max(Solder Pot Temperature)	2-5S (Solder Dwell Time)
Hand-Solder	350±5 °C (Solder Iron Temperature)	5S Max (Heating Time)

Packaging

Packaging Option	Quantity & Packaging Code	Quantity & Packaging Code	Quantity & Packaging Code
Bulk Packing	500 pcs/ bag	10 bags/ box	4 boxes/ carton
Taped Packing	--	3000 pcs/ box	10 boxes/ carton

Product Identification

JFP xxxx T L

Suffix
 T=Time-Lag
 L=Axial Leaded

AMP Code
 Refer to Amp Code column
 of Electrical Characteristics
 Table

Series
 JF=JDT Fuse
 P=Pico

Others

In the event that an impropriety is found beyond this specification, it shall be fixed by mutual agreement between the parties.