

为您的产品保驾护航


PRODUCT DATASHEET

Nano Fuses · Surface Mount

JFC1206TS TIME-LAG FUSE



Agency Approvals

Agency	Agency File Number
	E486200

Description

JFC1206TS Series are the fuses set the industry standard for performance, reliability and quality. The solder - free design provides excellent on - off and temperature cycling characteristics during use and also makes our SMD fuses more heat and shock tolerant than typical subminiature fuses.

Features

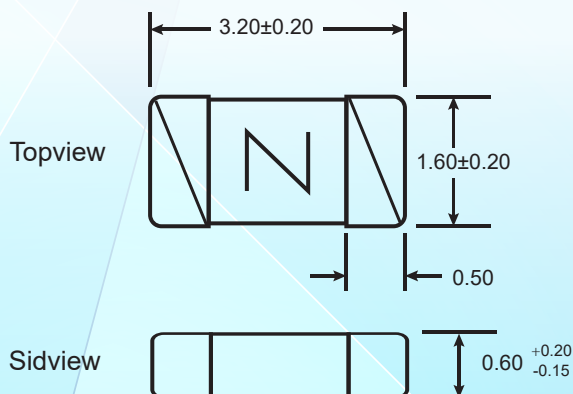
- High inrush current withstanding capability
- Compatible with reflow and wave solder
- Ceramic and glass construction
- Excellent environmental integrity
- One time positive disconnect
- Lead Free and Halogen free material

Electrical Characteristics

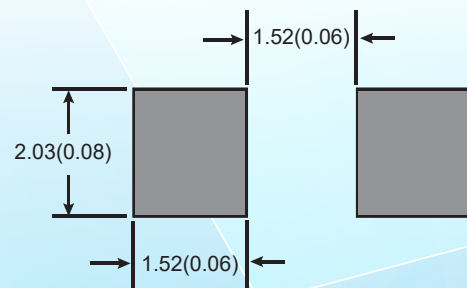
Rated Current	1.0In	2.5In	3.0In	3.5In	10.0In
0.25A~0.75A	4 hour min	-	-	5 sec max	0.2 ms-20 ms
1A~3A	4 hour min	1 sec - 60 sec	0.1 sec -3.0 sec	-	0.2 ms-20 ms
3.5A~5A	4 hour min	5 sec max	0.1 sec -3.0 sec	-	0.2 ms-10 ms
6A~8A	4 hour min	-	0.1 sec -3.0 sec	5 sec max	0.2 ms-10 ms
10A~15A	4 hour min	-	-	5 sec max	0.2 ms-10 ms
20A	4 hour min	-	-	5 sec max	0.2 ms-10 ms
25A~50A	4 hour min	-	0.1 sec -3.0 sec	5 sec max	0.2 ms-10 ms

Dimensions

Drawing not to scale (Unit: mm)



Recommended land pattern Unit: mm(inch)



Performance Specification

Part No.	Rated Voltage DC(V)	Rated Current (A)	Breaking Capacity	Typical Cold. Resistance (mΩ) **	Typical Voltage Drop (mV)	Typical Pre-Arcing I ² t (A ² Sec) ***	Aplha Marking		
JFC1206-0250TS	72	0.25	50A@72Vdc	3248	1267	0.00043	.25		
JFC1206-0375TS		0.375		1691	647	0.00086	E		
JFC1206-0500TS		0.50		926	583	0.0025	B		
JFC1206-0750TS		0.75		543	553	0.0061	.75		
JFC1206-1100TS		63		1.0	50A@63Vdc	441	457	0.12	H
JFC1206-1125TS		32		1.25	150A@32Vdc	283	450	0.15	h
JFC1206-1150TS		24		1.5	300A@24Vdc	216	332	0.17	K
JFC1206-1200TS		2.0		119	285	0.46	N		
JFC1206-1250TS		2.5		69	216	0.73	O		
JFC1206-1300TS		3.0		43	169	1.52	P		
JFC1206-1350TS		3.5		36	161	1.84	R		
JFC1206-1400TS		4.0		32	152	1.91	S		
JFC1206-1450TS		32		4.5	150A@32Vdc	27	144	2.89	X
JFC1206-1500TS				5.0		22	127	3.17	T
JFC1206-1600TS				6.0		14	123	12.3	F
JFC1206-1700TS				7.0		10	121	13.7	7
JFC1206-1800TS	8.0		7.7	99		15.4	M		
JFC1206-2100TS	24		10.0	6.2		91	22.0	U	
JFC1206-2120TS	12.0		150A@32Vdc	4.3		76	12.7	12	
JFC1206-2150TS	15.0		300A@24Vdc	3.6		69	18.2	15	
JFC1206-2200TS	20.0		1.6	53		51.9	20		
JFC1206-2250TS	25.0		1.4	79		66.0	L		
JFC1206-2300TS	30.0	1.1	79	109	Z				
JFC1206-2400TS	24	40.0	200A@32Vdc	0.76	86	176	XL		
JFC1206-2500TS		50.0	200A@24Vdc	0.68	93	256	50		

* Typical Pre-arcing I²t are measured at 10In Current

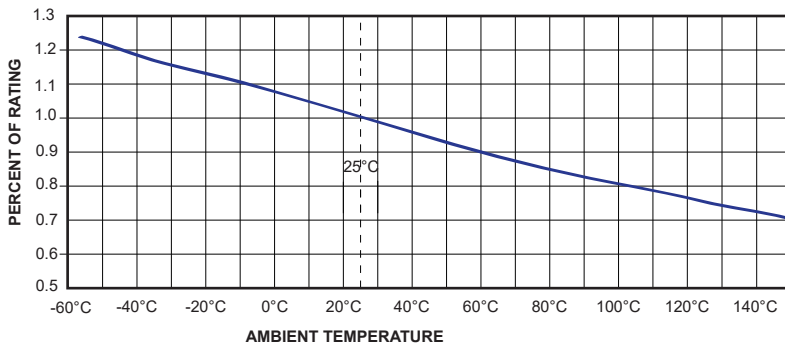
** DC Interrupting Rating (Measured at rated voltage, time constant of less than 50 microseconds, battery source)

*** DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25°C

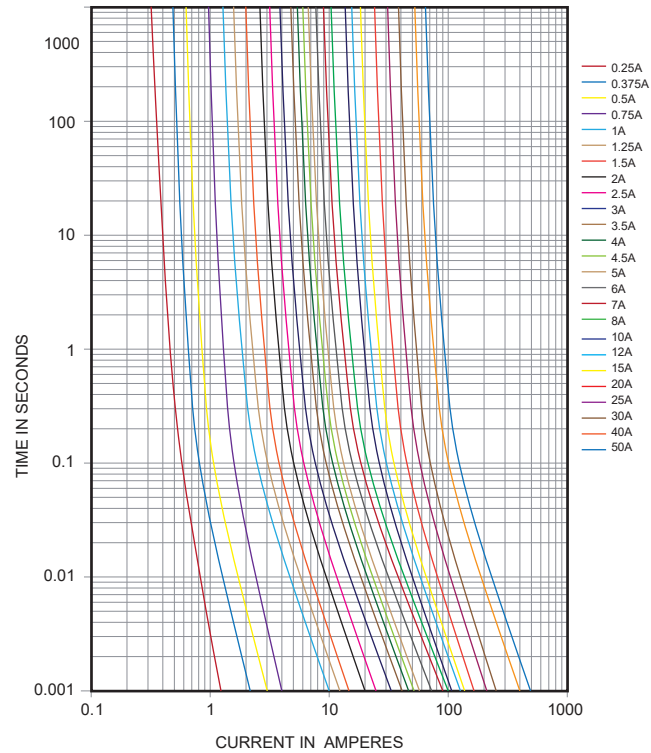
Environmental Characteristic

- Normal ambient temperature: 23+/-3°C,
- Operating temperature: -55 ~ 150°C, with proper correction factor applied

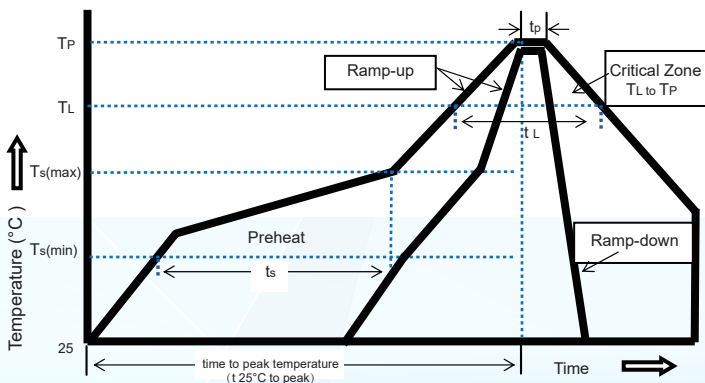
Temperature Derating Curve



Average Time-Current Curve



Recommended Soldering Parameters



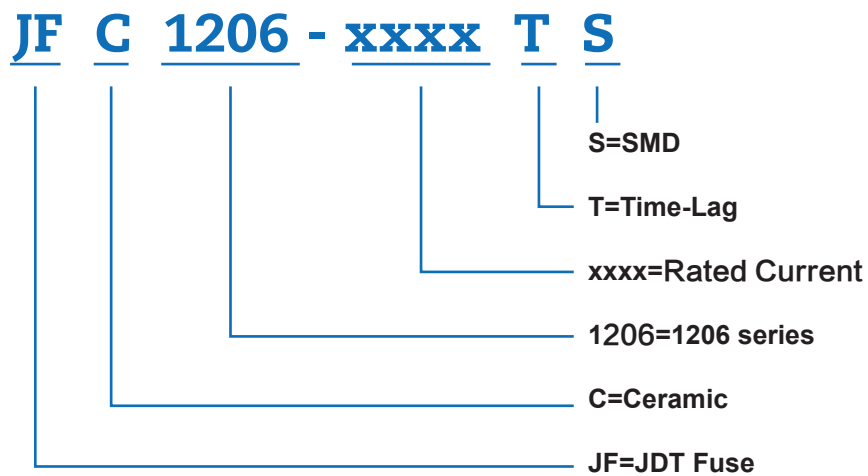
Soldering Method		Parameter
Wave solder	Reservoir temperature	260°C
	Time in reservoir	10 Secs max
Infrared reflow	Temperature	260°C
	Time	30 Secs max

Profile Feature		Lead(Pb) free solder
Preheat and soak	Temperature min (T _{smin})	150°C
	Temperature max (T _{smax})	200°C
	Time (T _{smin} to T _{smax})(t _s)	60-120 Secs
Average ramp up rate T _{smax} to T _p		3°C/Secs Max
Liquidous temperature(T _L)		217°C
Time at liquidous(t _L)		60-150 Secs
Peak package body temperature (T _P)		260°C
Time (t _P) within 5°C of the specified calssification temperaturea(T _c)		30 Secs
Average ramp-down rate (T _P to T _{smax})		6°C/Secs Max
Time (25°C to Peak Temperature)		8 Minutes Max

Packing

No.	Quantity &Packaging Code
JFC1206TS	3000 fuses/reel 8mm tape-and-reel on a 7 inch (178mm) reel per EIA Standard 481

Part Numbering System



Others

- If in use beyond the requirements of the specifications, must pass through the mutual confirmation !
- If the specification is not appropriate, must through consultation between the two sides and by the company to modify.
- It could be in conformance with another file which made by our company.