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PRODUCT DATASHEET

Surface Mount Fuses

JFC1206FS Series Fuse




Description

JFC1206FS 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

- Rapid interruption of excessive current
- Compatible with reflow and wave solder
- Ceramic and glass construction
- One time positive disconnect
- Lead Free and Halogen free material

Agency Approvals

Agency	Agency File Number
	E486200

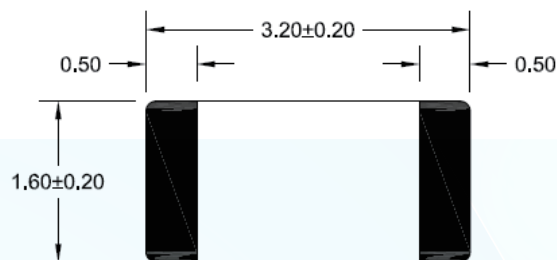
Electrical Characteristics

Rated Current	1.0In	2.5In	3.5In
250mA~5A	4 hour min.	5 sec max.	-
7A~30A	-	-	5 sec max.

Dimensions

Drawing not to scale (Unit: mm)

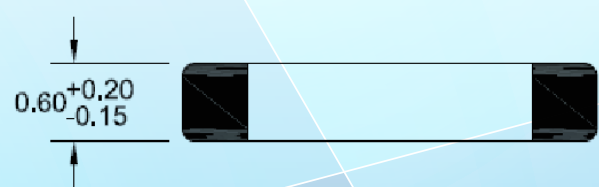
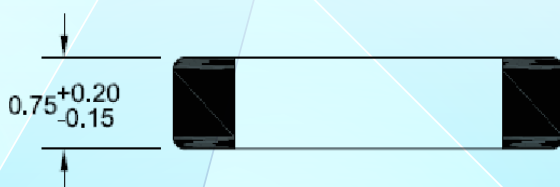
Top view



Side view

250mA~750mA/20A~30A

1A~15A



Performance Specification

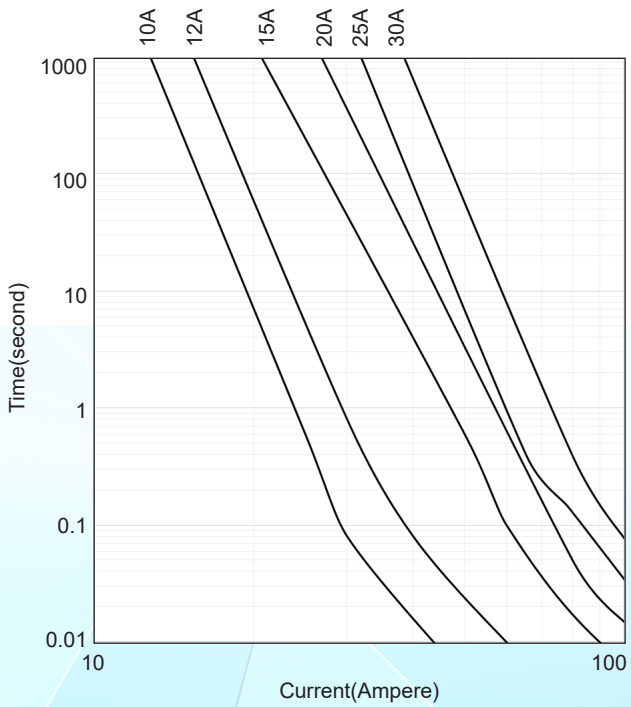
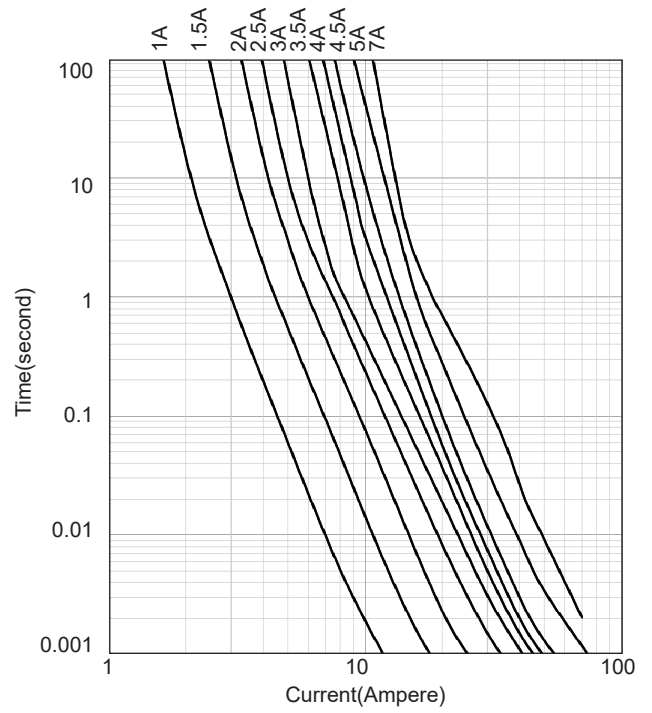
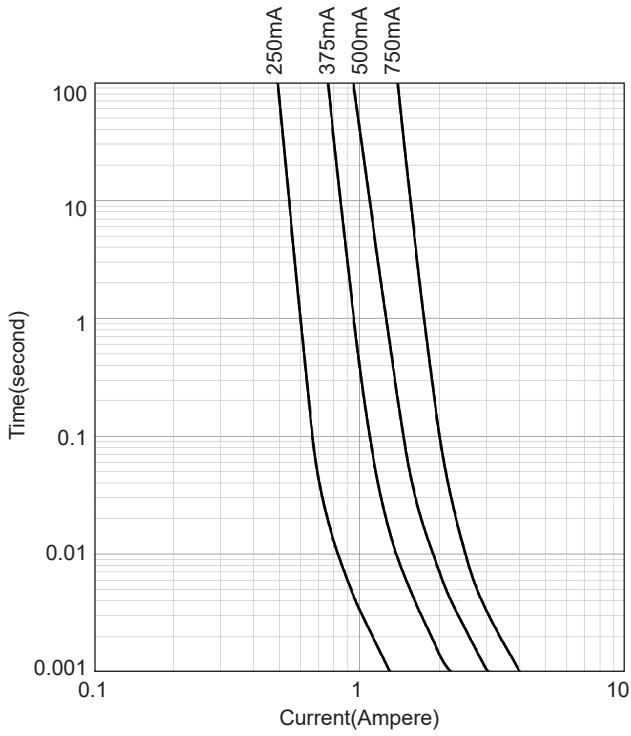
Part No.	Rated Voltage DC	Rated Current (A)	Breaking Capacity ¹	Typical Cold Resistance (mOhms) ²	Typical Voltage Drop (mV)	Typical Pre-Arcing I ² t (A ² Sec) ³ DC	Alpha Marking
JFC1206-0250FS	72V 63V 32V 24V	250mA	50A@72V 50A@63V 50A@32V 300A@24V	3608	1407	0.0004	.25
JFC1206-0375FS		375mA		1882	718	0.0008	E
JFC1206-0500FS		500mA		1028	650	0.0022	B
JFC1206-0750FS		750mA		601	616	0.0057	.75
JFC1206-1100FS		1A		490	510	0.10	H
JFC1206-1150FS		1.5A		240	367	0.15	K
JFC1206-1200FS		2A		144	316	0.41	N
JFC1206-1250FS		2.5A		86	240	0.65	O
JFC1206-1300FS		3A		53	187	1.39	P
JFC1206-1350FS		3.5A		40	180	1.68	R
JFC1206-1400FS		4A		35	173	1.73	S
JFC1206-1450FS	32V 24V	4.5A	50A@32V 300A@24V	27	164	2.62	X
JFC1206-1500FS		5A		22	141	2.89	T
JFC1206-1700FS	24V 32V ⁴	7A	300A@24V 150A@32V ⁴	12	140	5.68	7
JFC1206-1800FS		8A		10	123	6.8	M
JFC1206-2100FS		10A		5.5	59	2.61	U
JFC1206-2120FS		12A		3.8	67	7.11	12
JFC1206-2150FS		15A		2.9	66	23.89	15
JFC1206-2200FS		20A		1.6	60	47.14	20
JFC1206-2250FS		25A		1.4	57	32	25
JFC1206-2300FS		30A		1	68	43	30

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

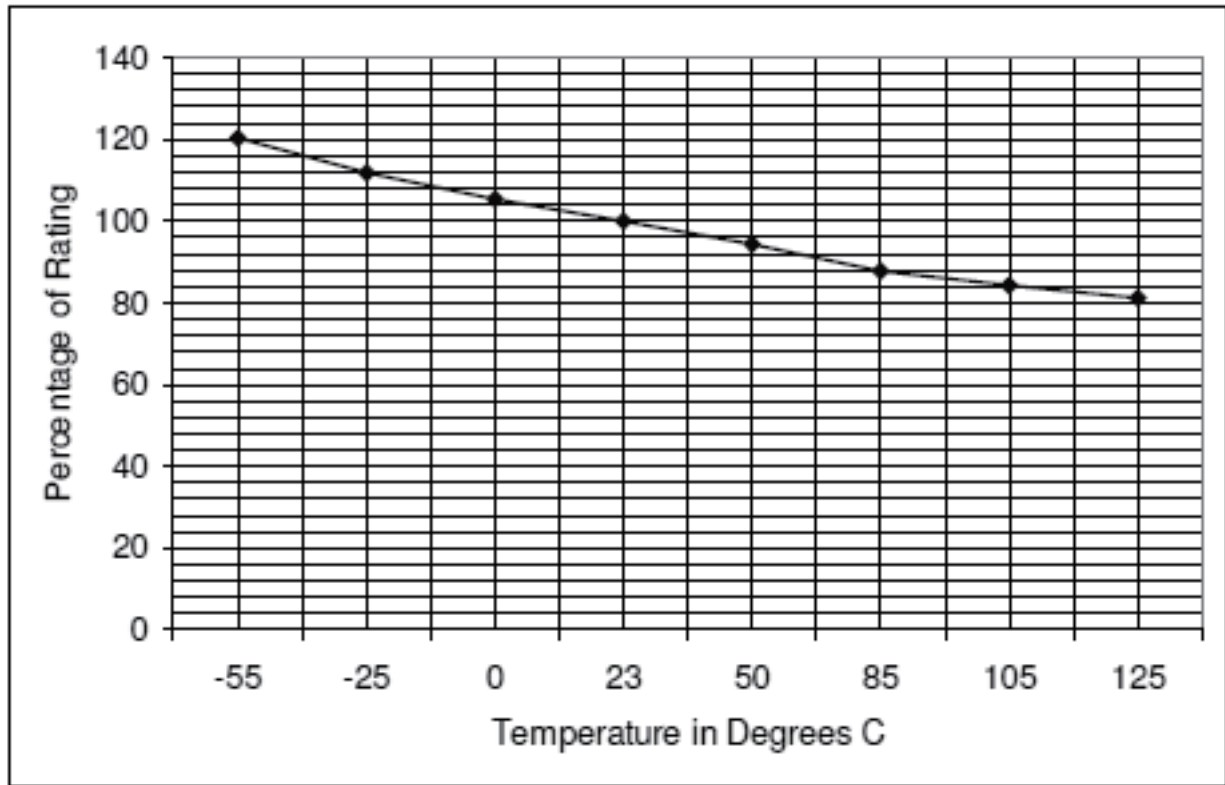
* DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25°C

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

Time Current Curve



Temperature Derating Curve



Normal ambient temperature: 23+/-3°C

Operating temperature: -55 ~ 125°C, with proper correction factor applied

Part Numbering System

JF C xxxx - xxxx F S

S=SMD

T=Time-Lag, F=Fast Acting

xxxx=四位电流

xxxx=四位体积

C=Ceramic, T=Thin Film, H=High Temperature Ceramic Series

JF=JDT Fuse