



深圳市优恩半导体有限公司
UN Semiconductor

PRODUCT DATASHEET

Surface Mount Fuses

UN1206FS Series Fuse



UN1206FS Series Fuse

Description

UN1206FS 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

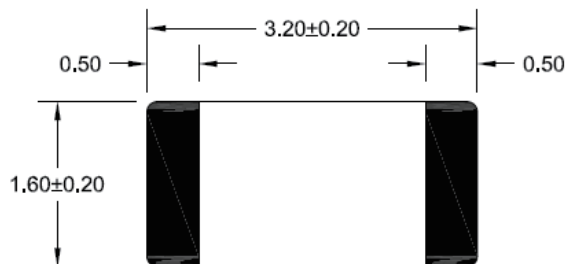
Electrical Characteristics

Rated Current	1.0In	2.5In	3.5In
250mA~5A	4 hour min.	5 sec max.	-
6A~30A		-	5 sec max.

Dimensions

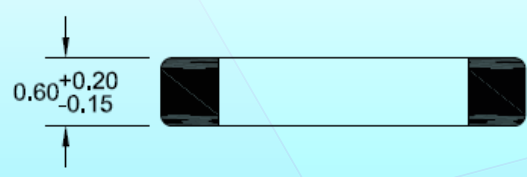
Drawing not to scale (Unit: mm)

Top view:



Side view: 250mA~750mA/20A~30A

1A~15A





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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	Aplha Marking
UN1206-0250FS		250mA		3608	1407	0.0004	.25
UN1206-0375FS		375mA		1882	718	0.0008	E
UN1206-0500FS		500mA		1028	650	0.0022	0.5
UN1206-0750FS		750mA		601	616	0.0057	.75
UN1206-1100FS	72V	1A	50A@72V	490	510	0.10	H
UN1206-1125FS	63V	1.25A	50A@63V	165	184	0.021	▲
UN1206-1150FS	32V	1.5A	50A@32V	240	367	0.15	K
UN1206-1200FS	24V	2A	300A@24V	144	316	0.41	N
UN1206-1250FS		2.5A		83	240	0.65	O
UN1206-1300FS		3A		53	187	1.39	P
UN1206-1350FS		3.5A		40	180	1.68	R
UN1206-1400FS		4A		35	173	1.73	S
UN1206-1450FS		4.5A		27	164	2.62	X
UN1206-1500FS	32V	5A	50A@32V	22	141	2.89	T
UN1206-1650FS	24V	6.5A	300A@24V	16	140	3.4	6.5
UN1206-1700FS		7A		12	140	5.68	7
UN1206-1800FS		8A		8.5	110	8	M
UN1206-2100FS		10A		7	100	9.5	U
UN1206-2120FS	24V	12A		5	85	11.5	12
UN1206-2150FS	32V*	15A	300A@24V	3.5	78	16.5	15
UN1206-2200FS		20A	150A@32V *	1.6	60	47.14	20
UN1206-2250FS		25A		1.4	57	32	25
UN1206-2300FS		30A		1	68	43	30

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

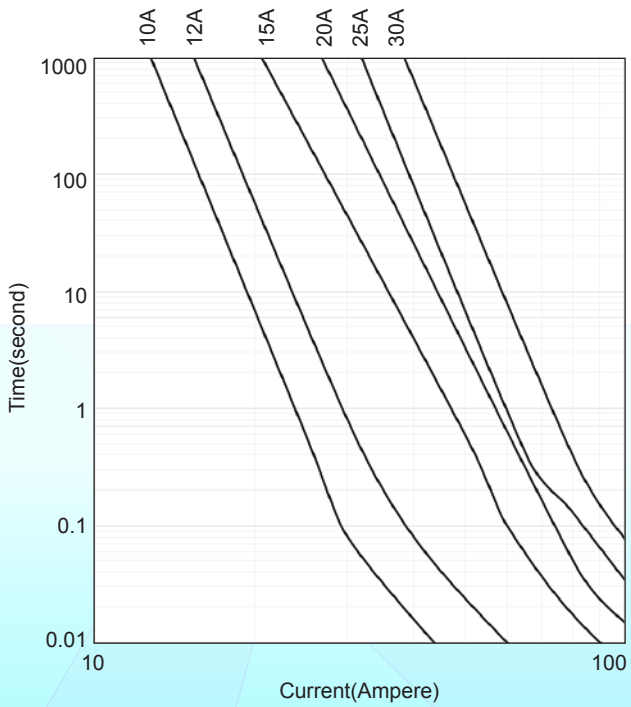
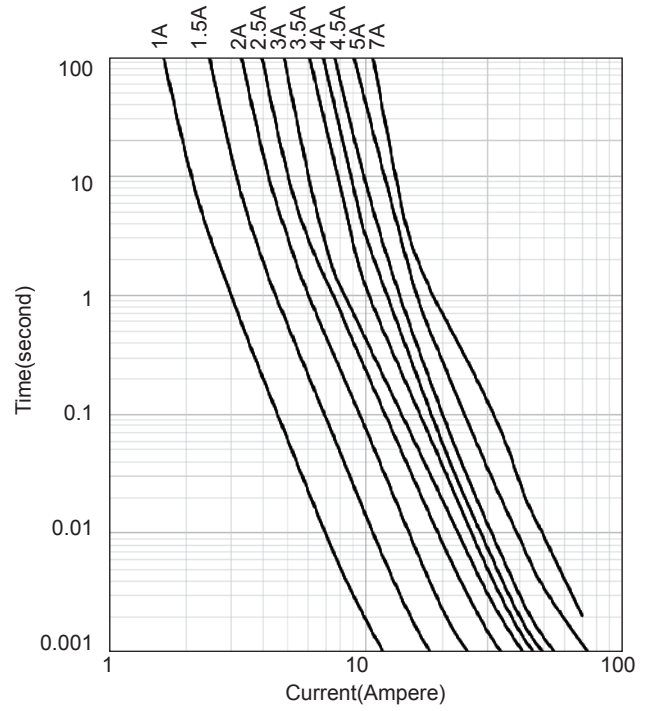
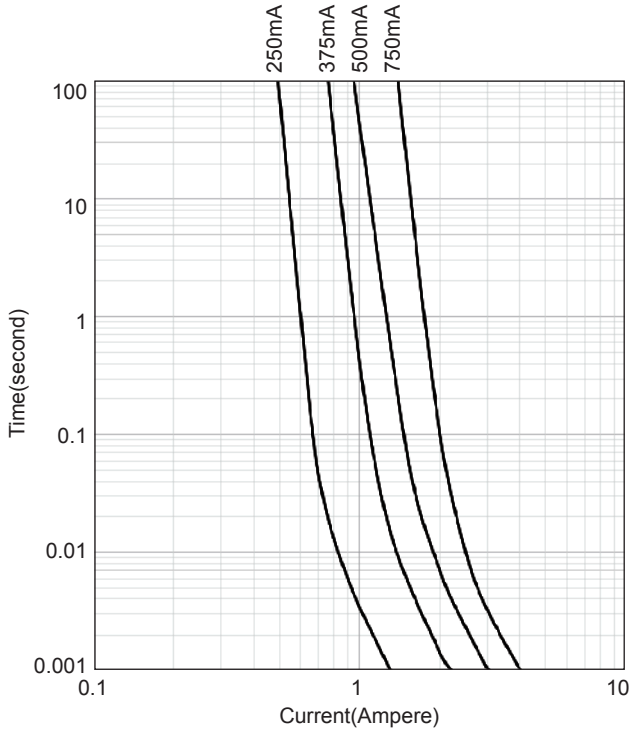
* DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25°C

* Typical Pre-arching I²t are measured at 10I_n Current



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Time Current Curve





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Part Numbering System

UN xxxx - xxxx F S

