

Fast Acting | 0.126x0.064 inch Surface Mount Fuse

1206FA-W Series

1206FA-W Series are wire-in-air surface mount fuse. The maximum breaking voltage is 125V and maximum breaking current is 200A. The product size is small, especially the height direction is only 1.1mm, which can meet the design of limited space.



Features

- Electroplated copper electrodes, high reliability
- Structural stable I²T, strong surge resistance
- Sealing structure, strong resistance to harsh environment
- Wire-in-air design, safe breaking, no sparks;
- Lead-free, halogen-free, RoHS compliant



Electrical Characteristics

Amp Rating	% of Amp Rating	Opening Time
0.5~40A	100%	4 Hours Min.
0.5~40A	250%	60 Seconds Max.

Specifications

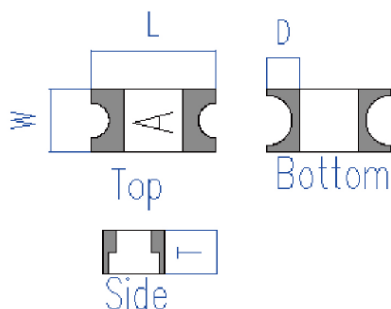
Part Number	Ampere Rating (A)	Voltage Rating	Interrupting Rating	Typical Cold Resistance (Ohms)	Normal I ² t (A ² Sec)	Marking Code
1206FA-R500-W	0.50	50A@ 125Vdc	200A @ 48Vdc	0.112	0.05	A
1206FA-R630-W	0.63			0.096	0.08	B
1206FA-R750-W	0.75			0.086	0.15	C
1206FA-1A-W	1.00			0.068	0.21	D
1206FA-1.25A-W	1.25			0.057	0.28	E
1206FA-1.5A-W	1.50			0.045	0.41	F
1206FA-1.6A-W	1.60			0.036	0.63	U
1206FA-2A-W	2.00			0.026	1.07	H
1206FA-2.5A-W	2.50			0.021	1.72	I
1206FA-3A-W	3.00			0.018	2.52	J
1206FA-3.15A-W	3.15	50A @ 65Vdc	200A @ 48Vdc	0.0172	2.75	K
1206FA-3.5A-W	3.50			0.0153	3.1	V
1206FA-4A-W	4.00			0.0145	3.3	L
1206FA-5A-W	5.00			0.0112	5.7	M
1206FA-6.3A-W	6.30			0.0089	9.0	N
1206FA-7A-W	7.00			0.0076	12.8	O
1206FA-8A-W	8.00			0.0070	17	P
1206FA-10A-W	10.0			0.0046	11.4	Q
1206FA-12A-W	12.0			0.0040	15	R
1206FA-15A-W	15.0			0.0031	26	S
1206FA-20A-W	20.0	200A @ 36Vdc	200A @ 30Vdc	0.0027	28	T
1206FA-25A-W	25.0			0.0019	46	X
1206FA-30A-W	30.0			0.0017	72	Y
1206FA-35A-W	35.0			0.0011	127	W
1206FA-40A-W	40.0			0.0009	210	Z

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Dimension Unit: mm

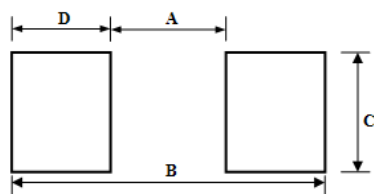


Packaging

- Quantity: 3,500pcs
- 8mm wide tape on 178mm(7 inch) diameter reel -specification EIA Standard 481.

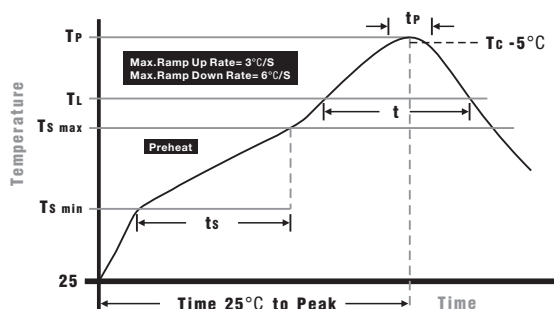
Type	L	W	T	D
1206FA-W	3.2±0.2	1.6±0.25	1.1±0.3	0.85±0.35

Recommended Land Patterns Unit: mm



Type	A	B	C	D
1206FA-W	1.5	4.4	2.4	1.45

Soldering Parameters



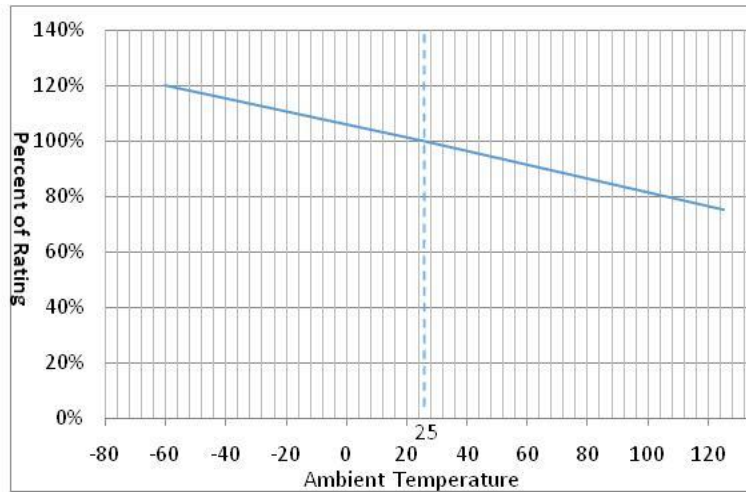
Reflow Condition		Pb – Free assembly
Pre heat	- Temperature Mi (Ts(min))	150°C
	- Temperature Ma (Ts(max))	200°C
	- Time (Min to Max) (ts)	60 – 120 secs
Average ramp up rate (Liquidus Temp (TL) to peak		3°C/second max
TS(max) to TL - Ramp-up Rate		3°C/second max
Reflow	- Temperature (TL (Liquidus))	217°C
	- Temperature (tL)	60 – 150 seconds
Peak Temperature (TP)		260°C
Time within 5°C of actual peak Temperature (tp)		20 seconds
Ramp-down Rate		6°C/second max
Time 25°C to peak Temperature (TP)		8 minutes Max.

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Temperature Derating Curve



Average Time Current Curves

1206

