

Surface Mount Fuses

RoHS



SART S1206 series Fast-Acting Fuse

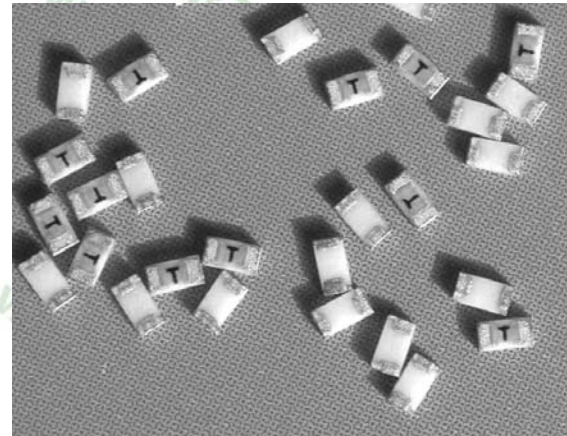
Lead Free Plating

Ordering Information:

Catalog Symbol	Mark	Current Rating (A)	Voltage Rating (VDC)	Nominal Cold DCR* Max(Ω)
S1206-V 1.0A	H	1.00	32	0.410
S1206-V 2.0A	N	2.00	32	0.105
S1206-V 3.0A	P	3.00	32	0.065
S1206-V 4.0A	S	4.00	32	0.041
S1206-V 5.0A	T	5.00	32	0.019
S1206-V 7.0A	U	7.00	32	0.012

* Measured at $\leq 10\%$ rated current and 25°C.

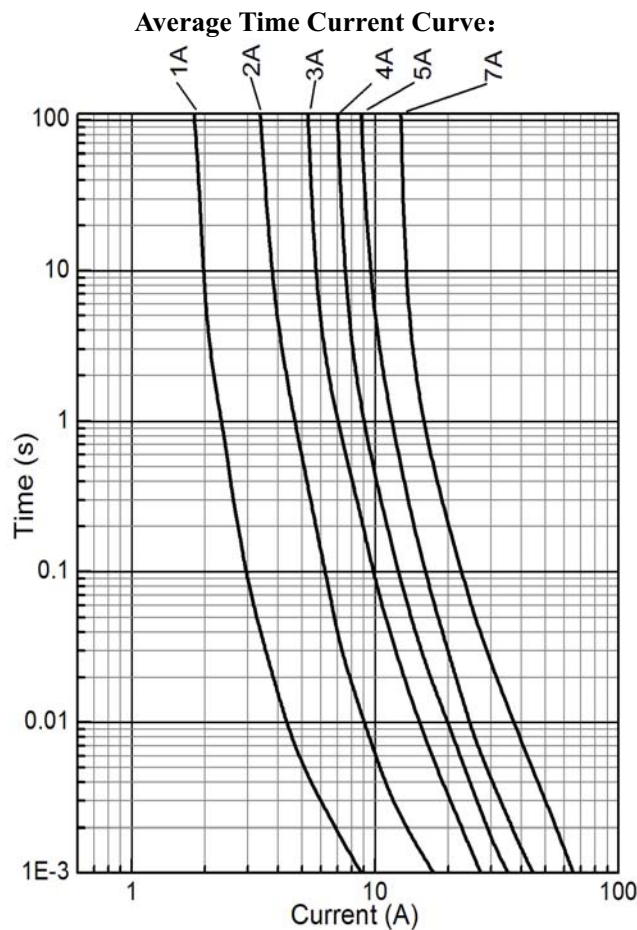
Shape & Sizes:



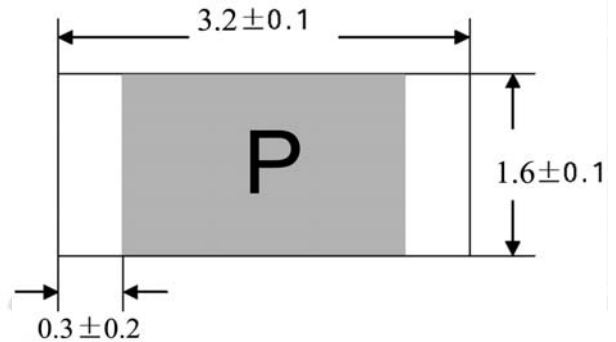
Interrupting Rating:

1.0-7.0A: 50A at 32V DC

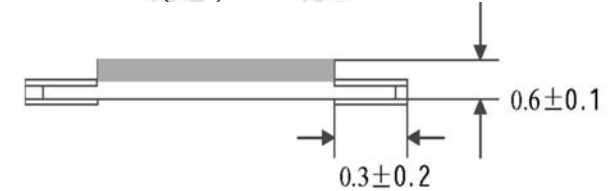
Agency Information: UL Recognition Card
JDYX2.E245449, JDYX8.E245449



Top view(mm):



Side view(mm):



Materials:

	Components	Material
1	Substrate	Ceramic
2	Cover	Glass
3	Terminations	Silver over-plated with tin (100%)
4	Element	Silver or Silver/palladium

Surface Mount Fuses

RoHS



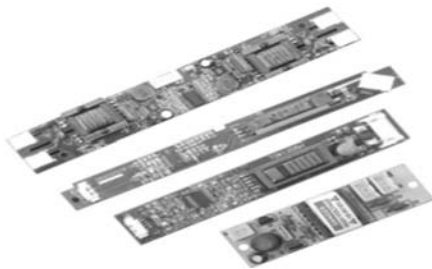
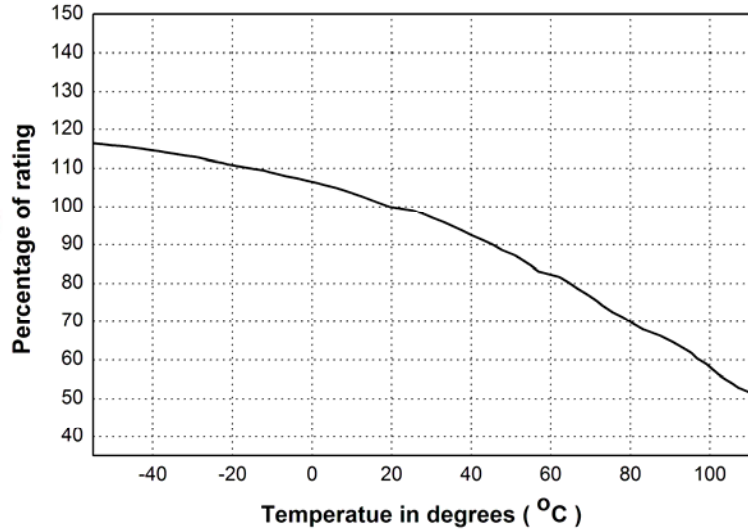
SART S1206 series Fast-Acting Fuse

Lead Free Plating

Electrical Characteristics:

% of Rating Current	Clear Time At 25°C
100%	>4HRS
200%	<120 seconds

Chart of correction factor:
(ambient temperature on current-carrying capacity)



Reliability Tests

Characteristics	Test Methods	Performance Requirement
Solderability	235°C±5 °C, 3s±0.5s	95% coverage min
Resistance to soldering	260°C±5 °C, 10s±0.5s	ΔR: ±10%
Bending test	90mm Between holding points Bending 3mm, 3times	No mechanical damages
Load life	4h min at rating current	ΔR: ±10%
Load life moisture	40°C±2 °C, 85%RH 1.5h ON, 0.5h OFF 1000h, 70% rating current	ΔR: ±10%
Temperature cycling	-40°C (30min)~ +125°C (30min)	ΔR: ±10%
Resistance to solvent	MIL-STD-202F-215 (1990)	No damages to coating and marking
Residual resistance after opening	DC resistance	100KΩ min

Applications:

- Lithium Battery
- LCD-Inverter
- LCD-Monitor
- Digital Camera
- Digital Vidicon
- Notebook Computer
- Portabale-Dvd
- Cd-Rom
- Car-LCD
- Car-GPS
- Hard Disk

Special Measuring Equipment:

- DC Resistance is measured with Keithley 580/HP4338A milli-ohmmeters.
- Interrupting Capability is measured with short circuit tester.

Surface Mount Fuses

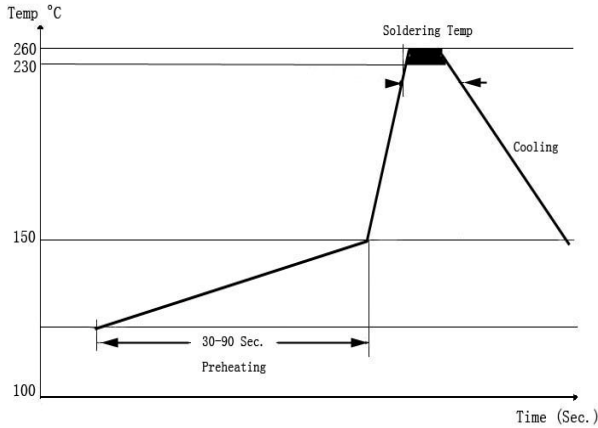
RoHS



SART S1206 series Fast-Acting Fuse

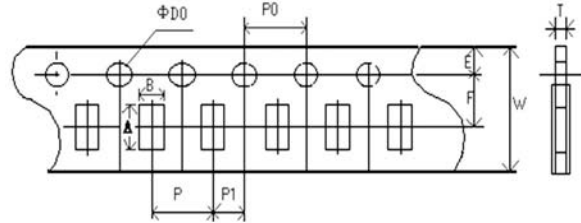
Lead Free Plating

Recommended Solder Curve:

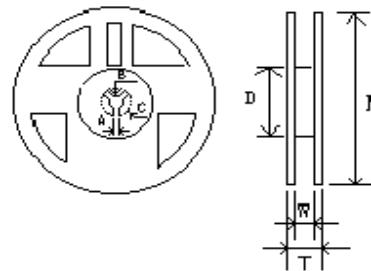


- *Wave solder: 260 °C, 10 seconds max
- *Reflow solder: 260 °C, 30 seconds max

Packaging(5000PCS/Reel):



Type	A	B	W	F	E
S1206	3.50 ±0.20	1.90 ±0.20	8.00 ±0.20	3.50 ±0.05	1.75 ±0.10
Type	P	P0	P1	D0	T
S1206	4.00 ±0.10	4.00 ±0.10	2.00 ±0.05	1.50 ±0.10	0.75 ±0.10



Type	M	W	T	A	B	C	D
S1206	178 ±2.0	10.0 ±1.5	12.0 ±2.0	2.5 ±0.5	13.0 ±0.5	31.0 ±1.0	80.0 ±1.0

Storage:

- The maximum ambient temperature shall not exceed 40°C. Storage temperature higher than 40°C could result in the deformation of packaging materials.
- The maximum relative humidity recommended for storage is 65%. High humidity with high temperature can accelerate the oxidation of the solder plating on the termination and reduce the solderability of the components.
- Sealed plastic bags with desiccant shall be used to reduce the oxidation of the termination and shall only be opened prior to use. The products shall not be stored in areas where harmful gases containing sulfur or chlorine are present.

