

Surface Mount Fuses

RoHS & Pb-free



SART S1206-S series Fuse (Slow Blow)

Ordering Information:

Catalog Symbol	Mark	Current Rating (A)	Voltage Rating (V)	Nominal Cold DCR (Ω)
S1206-S-0.5A	F	0.50	32	1.2
S1206-S-0.75A	G	0.75	32	0.9
S1206-S-1.0A	H	1.00	32	0.480
S1206-S-1.5A	K	1.50	32	0.208
S1206-S-2.0A	N	2.00	32	0.108
S1206-S-2.5A	O	2.50	32	0.072
S1206-S-3.0A	P	3.00	32	0.055
S1206-S-4.0A	S	4.00	32	0.025
S1206-S-5.0A	T	5.00	32	0.016
S1206-S-6.0A	6	6.00	32	0.014
S1206-S-7.0A	U	7.00	32	0.013

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

Interrupting Rating:

0.5-7.0A: 50A at 32V DC

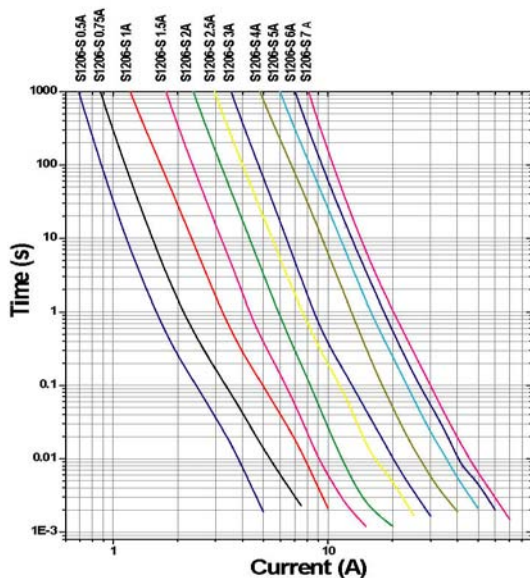
Agency Information: UL Recognition Card

JDYX2.E245449, JDYX8.E245449

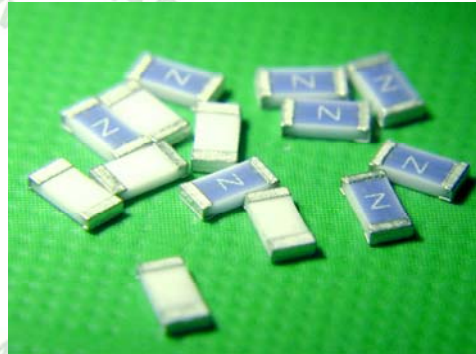
Electrical Characteristics:

% of Ampere Rating	Opening Time
100%	>4HRS
200%	<120 seconds
300%	0.3~2 seconds
800%	0.003~0.05seconds

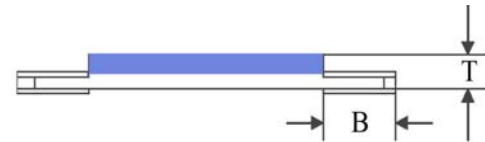
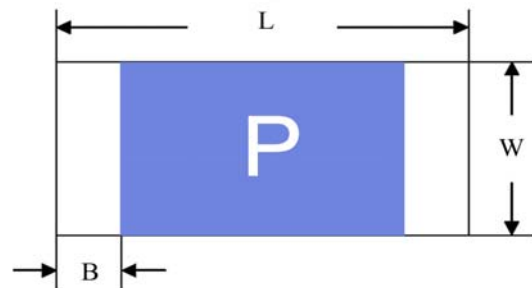
Average Time Current Curves



Shape & Sizes:

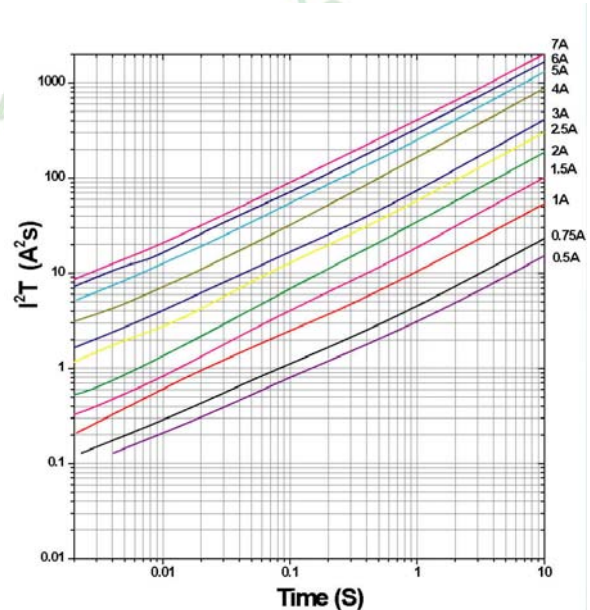


Top & Side View (mm):



L	W	T	B
3.10±0.20	1.55±0.20	0.55±0.20	0.40±0.20

I²T vs T Curves



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Materials:

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

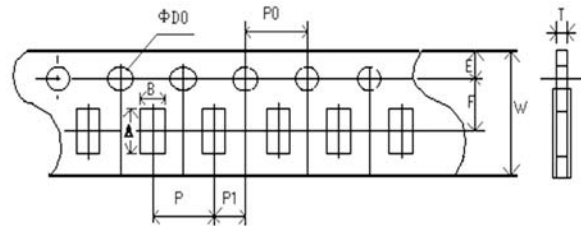
Reliability Tests

Characteristics	Performance Requirement
Solderability	95% coverage min
Resistance to soldering	$\Delta R: \pm 10\%$
Bending test	No mechanical damages
Load life	$\Delta R: \pm 10\%$
Load life moisture	$\Delta R: \pm 10\%$
Temperature cycling	$\Delta R: \pm 10\%$
Resistance to solvent	No damages to coating and marking
Residual resistance after opening	10K Ω min

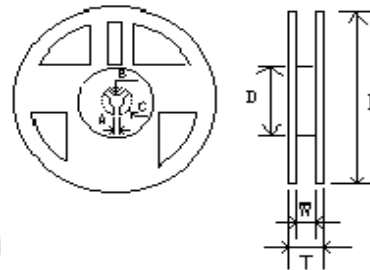
Storage:

- 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.

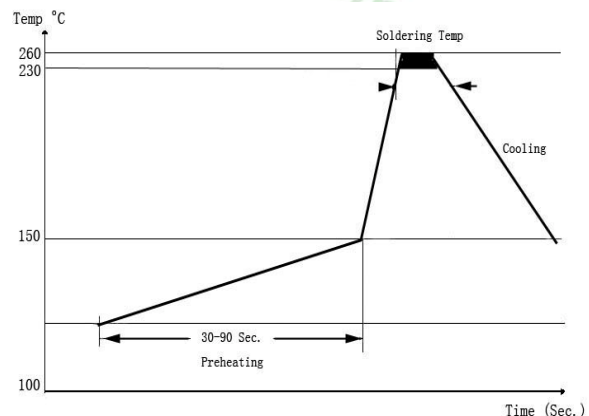
Packaging(5000PCS/Reel):



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



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