

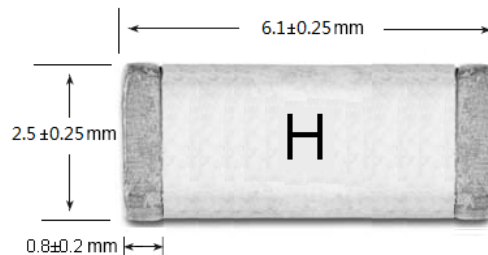
Description

- Very Fast acting surface mount fuse
- Overcurrent protection of systems up to 250Vac/125Vdc
- Rugged ceramic and glass construction
- Excellent environmental performance
- RoHS Compliant, Halogen Free material

Applications

- Motherboards (servers, notebooks)
- LCD monitor inverters (large panels)
- Telecom equipment (TeleLink)
- Automotive Electronics modules

Dimensions



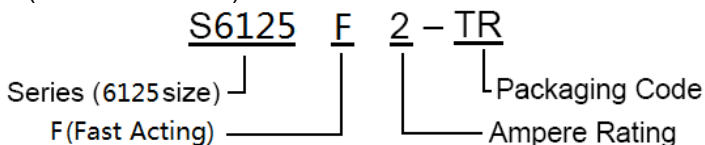
Case: 6125

Electrical Characteristics

Ampere Rating	% of Amp Rating	Opening Time
500mA-10A	100%	4 Hours Min
500mA-10A	250%	5 Seconds Max

Ordering

- Specify packaging and product code
(i.e. S6125F2-TR)



Note: TR: 1,500 pieces of fuses on tape and reel

Electrical Specifications

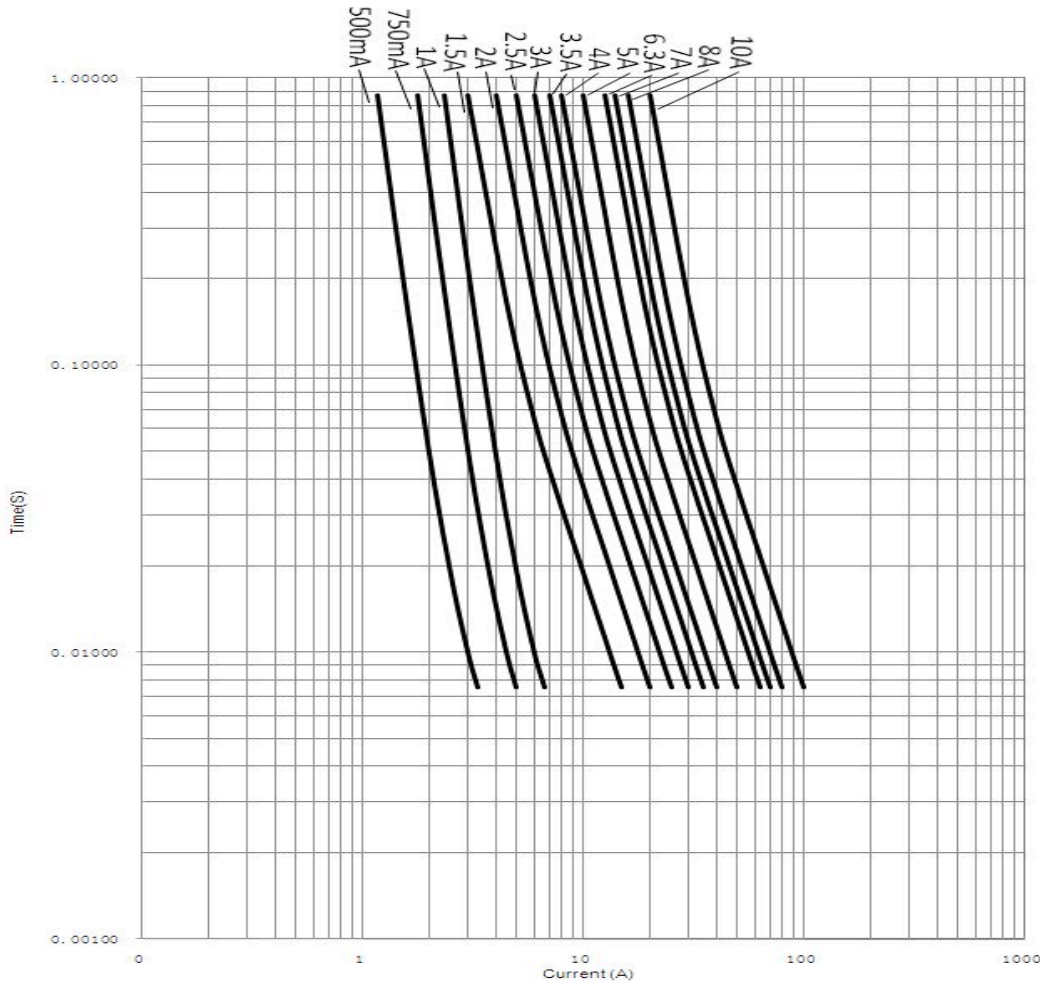
Product Code	Current Rating	Voltage Rating		Interrupting Rating*	Resistance (ohms)** Typ.	Typical Melting I ² t *** DC (A ² s)	Alpha Code Marking
		AC	DC				
S6125F500	500mA	250V	125V	50A	0.900	0.10	F
S6125F750	750mA	250V	125V	50A	0.600	0.28	G
S6125F1	1A	250V	125V	50A	0.300	1.20	H
S6125F1.5	1.5A	250V	125V	50A	0.150	2.60	K
S6125F2	2A	250V	125V	50A	0.070	4.50	N
S6125F2.5	2.5A	250V	125V	50A	0.045	6.25	O
S6125F3	3A	250V	125V	50A	0.040	8.80	P
S6125F3.5	3.5A	250V	125V	50A	0.035	12.00	R
S6125F4	4A	250V	125V	50A	0.025	16.32	S
S6125F5	5A	125V	125V	50A	0.020	27.25	T
S6125F6.3	6.3A	125V	125V	50A	0.014	38.27	W
S6125F7	7A	125V	125V	50A	0.012	45.00	U
S6125F8	8A	125V	125V	50A	0.010	54.40	8
S6125F10	10A	125V	125V	50A	0.007	70.00	10

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

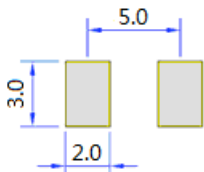
**DC Cold Resistance (Measured at 10% of rated current)

Device designed to carry rated current for four hours minimum. An operating current of 75% or less of rated current is recommended, with further derating required at elevated ambient temperatures.

Time Current Curve



Land Pattern (mm)



Soldering Method

- Wave soldering: 260°C, 10sec max.
- Reflow soldering: 260°C, 30sec max.

Environmental Data

- Life Test: MIL-STD-202, Method 108D
- Humidity Bias: MIL-STD-202, Method 103
- Moisture Resistance Test: MIL-STD-202, Method 106G
- Thermal Shock: MIL-STD-202, Method 107G
- Terminal Strength: AEC-Q200-006
- Board Flex: AEC-Q200-005 Appendix 2 Note: 1mm (Min)
- Vibration: MIL-STD-202, Method 204C
- Mechanical Shock: MIL-STD-202, Method 213C
- Solderability: ANSI/J-STD-202
- Resistance to Solder Heat: MIL-STD-202, Method 210B
- Resistance to Solvents Test: MIL-STD-202, Method 215