

1. Electrical Characteristics

Ampere Rating	% of Current Rating	Opening Time
20-60A	100%	Min.4hours
	200%	Max120sec

2. Electrical Specifications

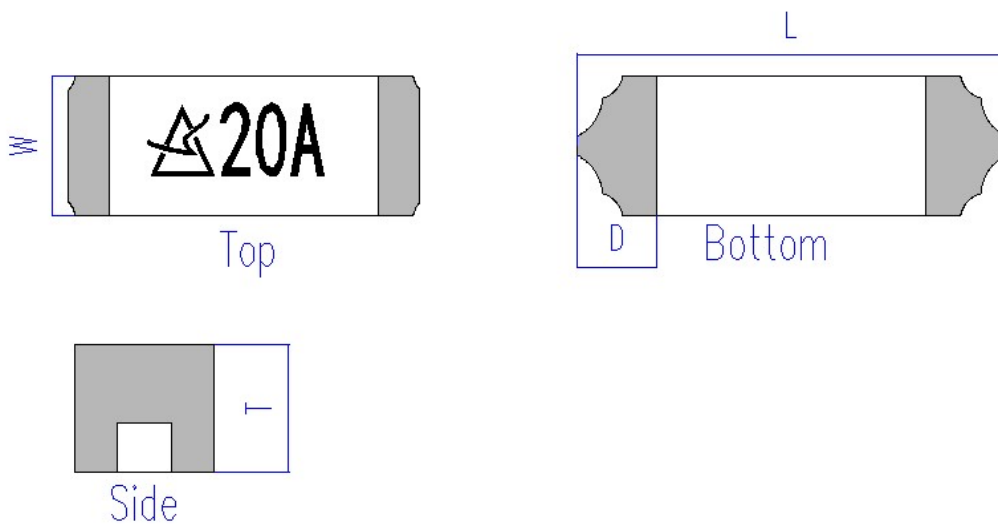
Part Number	Current Rating(A)	Voltage Rating(V)	Interrupting Capacity	Typical Cold DCR*(mΩ)	Nominal I ² T** (A ² s)
型号	额定电流 (A)	额定电压 (V)	分断能力	典型直流冷电阻 (mΩ)	公称热值 (A ² s)
L1032F20A	20	80VDC	600A@80VDC	2.22	200
L1032F25A	25			1.73	315
L1032F30A	30			1.45	580
L1032F40A	40			1.02	1050
L1032F50A	50			0.88	1620
L1032F60A	60			0.79	2200

***Measured at ≤10% rated current and 25℃

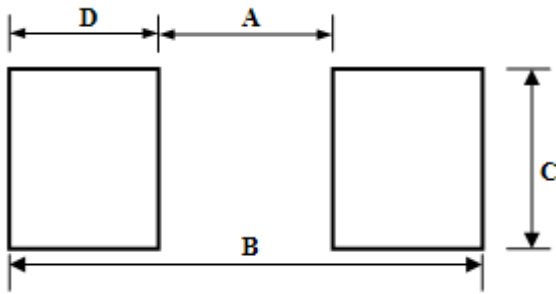
**** MeltingI²T at 10 times of rated current

3. Dimensions

ype	L	W	T	D
型号	(mm)	(mm)	(mm)	(mm)
L1032F	10.1±0.20	3.20±0.3	3.2±0.3	1.9±0.35



4. Recommended Land Patterns



Dimensions	Spec
A (mm)	5.7 ± 0.3
B (mm)	12.60 ± 0.30
C (mm)	3.7 ± 0.30
D (mm)	3.45 ± 0.3

5. Materials

Components	Material
Body	Epoxy flame retardant materials
Fuse-element	Tin Plated Copper
Filler	Quartz sand
Terminations	Tin Plated Copper

6. Part Number Information

L1032 F 60.0A

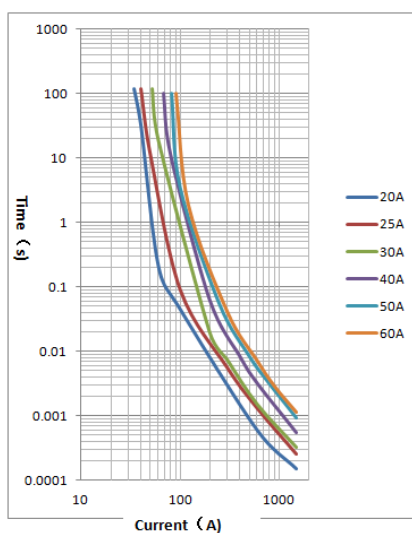
“L” : Large current
 “1032” : Size Number
 “F” Fast Acting
 “60A” Ampere Rating: 60A

7. Agency / Certificate Information

Recognized Under the Components Program of Underwriters Laboratories.

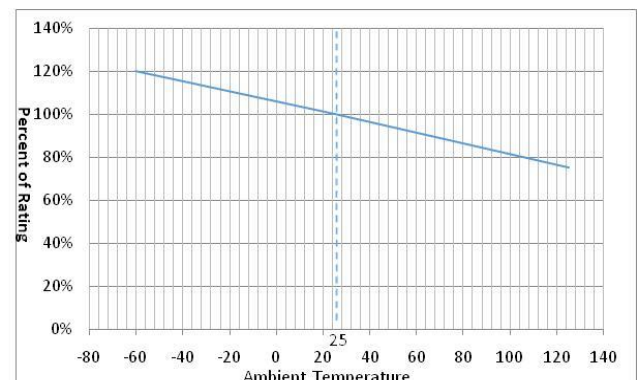
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8. Time Current Curve



9. Temperature Re-rating Curve

When choosing the fuse's specification, if the operating Environmental temperature beyond the scope from 20~30℃, engineer should consider the environmental temperature's Affection to fuses. Please refer Temperature Re-rating Curve.



10. Product Characteristics

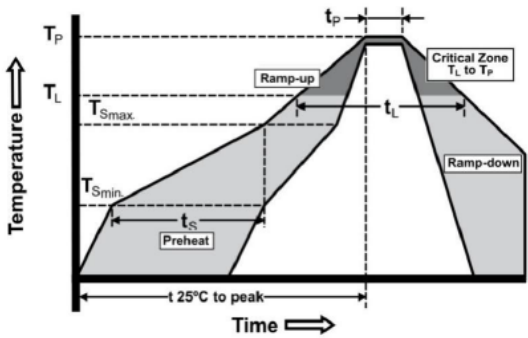
Item	Test condition	Performance	Standard
Time/Current	100% of current rating	4hr Min	UL248-14
	200% of current rating .	60sec Max	Factory SPEC
	1000%of current rating	1msec Min	Factory SPEC
Interrupting Ability	600A@80VDC	without permanent arcing, ignition and bursting of fuse link	UL248-14
Solder ability	240℃±5℃, 3sec±0.5sec,	90% coverage Min.	MIL-STD-202 Method 208
Resistance to Soldering Heat	260℃±5℃, 10sec±0.5sec,	△R : <10%	MIL-STD-202 Method 210
Moisture resistance	10 cycle	△R : <10%, no mechanical damage	MIL-STD-202 Method 106
Salt Spray	5%±1% salt solution , 48hours	△R : <10%	MIL-STD-202 Method 101
Mechanical Shock	Test Condition I: Deenergized. 100G' s peak amplitude, sawtooth wave 6ms duration, 3 cycles XYZ+xyz = 18 shocks	△R : <10%, no mechanical damage	MIL-STD-202 Method 213
Mechanical Vibration	Amplitude 10Hz~55Hz in 1 min. 2 hours, each XYZ, total 6 hours	△R : <10%, no mechanical damage	MIL-STD-202 Method 201
Thermal Shock	-65° C to +125° C, 100 cycles,	△R : <10%, no mechanical damage	MIL-STD-202 Method 107

11. Storage

Packaged Fuse should be storage at ambient temperature for -10~+40 °C relative humidity below 80%,the warehouse of Ambient air in non-acidic, non-alkaline or other no corrosive gases,Before use, need to confirm the aluminum foil bag sealing intact

12. Recommended Solder Curve

1. Infrared Reflow:
 - Temperature: 260℃
 - Time: 20sec Max.
 - Recommend Reflow profile



Profile Feature	Pb-Free Assembly
Average Ramp-Up Rate(T_{Smax} to T_p)	3℃/sec Max.
Preheat	
Temperature Min(T_{Smin})	150℃
Temperature Max(T_{Smax})	200℃
Time(T_{Smin} to T_{Smax})	60sec ~ 120sec
Peak Temperature(T_p)	260℃
Time within 5℃ of actual Peak Temperature(t_p)	20sec
Temperature (T_L)	217℃
Melting tin time(t_L)	60sec ~ 150sec
Ramp-Down Rate	6℃/sec Max.
Time 25℃ to Peak Temperature	8 min Max.

13. Packaging

Tape (mm)	Reel (inch)	Quantity
24	13	2000

14. Others

This product is fully in line with the EU ROHS requirements!