

High Current Brick Fuse

Ampere Rating 30~100A

DLB45 Series

Descriptions

- Fast Acting High current brick fuse
- Surface mount deign to save space
- Ceramic Square body with end cap design
- Designed to UL248-1/14



Electrical Characteristics

Amp Rating	% of Amp Rating	Opening Time
30~100A	100%	4 Hours Min.
	250%	10s Max.

Specifications

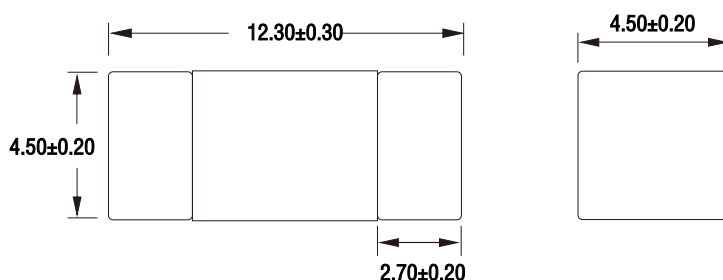
Part No.	Rated Current (A)	Rated Voltage (V)	Breaking Capacity DC ¹	Typ. Cold Resistance (mΩ)	Typical Voltage Drop (mV)	Pre-Arcing I ² t(A ² Sec) ²
DLB45-30A	30	72V /dc 85V /dc	1000A	1.57	70	820
DLB45-40A	40			1.2	67	1350
DLB45-50A	50			1.0	77	2050
DLB45-60A	60			0.79	72	3200
DLB45-70A	70			0.68	80	4800
DLB45-80A	80			0.56	70	6000
DLB45-100A	100	72V /dc			0.41	63

1. Typical Pre-arcing I²t are measured at 10In Current

2. Internal qualification for 85Vdc

Dimension

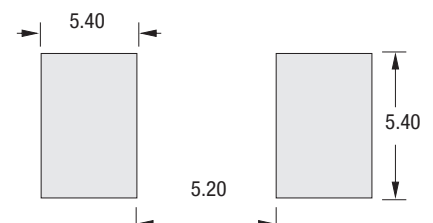
Unit: mm



Packaging

Quantity: 1,000pcs
24mm wide tape on 330mm (13 inch) diameter reel -specification EIA Standard 481.

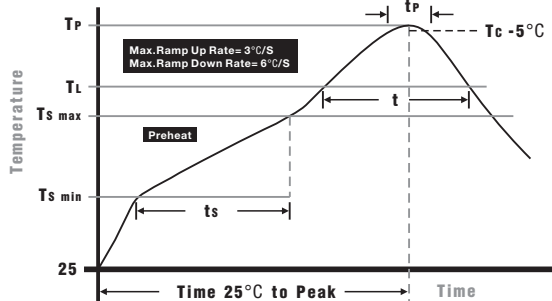
Pad layout



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Soldering Parameters



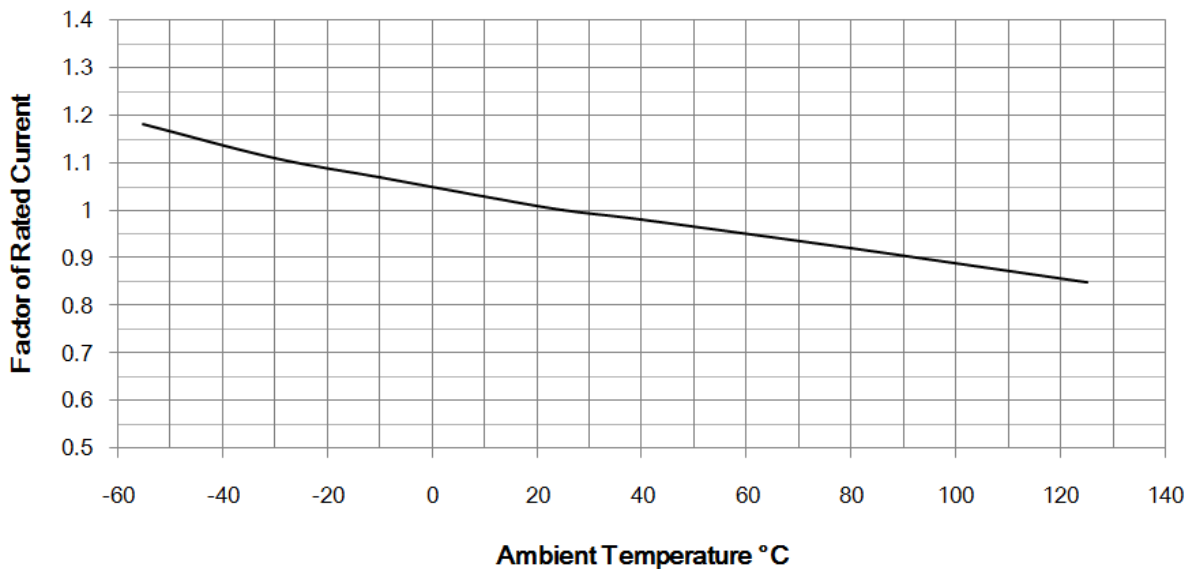
Infrared Reflow Soldering: 260°C, 30 seconds max.

Hand Soldering: 350°C, 5seconds max.

IR Reflow Profile

Preheat Heat	
Temperature min (T _{smin})	150 °C
Temperature max(T _{smax})	200°C
Time (T _{smin} to T _{smax}) (ts)	60 -120 seconds
Average ramp-up rate (T_{smax} to T_p)	3°C/second max.
Liquidous temperature (T_L)	217 °C
Time at liquidous (t _L)	60 - 150 seconds
Peak temperature(T_p)	260°C
Time within 5°C of actual peak Temperature (tp)	30 seconds
Average ramp-down rate (T_p to T_{smax})	6°C/second max.
Time 25 °C to peak temperature	8 minutes max.

Temperature Re-rating Curve



Note: Rerating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

- Normal Operating Temperature: 25°C± 2°C
- Operating Temperature: -55°C to 125°C with proper correction factor applied.

Time-Current Curves

