

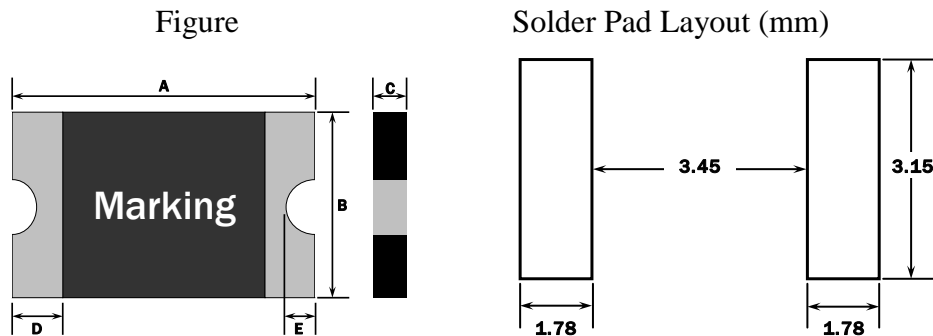
## Device Specification

### ELECTRICAL CHARACTERISTICS

Part Number	I <sub>hold</sub> (A)	I <sub>trip</sub> (A)	V <sub>max</sub> (Vdc)	I <sub>max</sub> (A)	Pd <sub>max</sub> (W)	Maximum Time-to-Trip		Resistance	
						Current (A)	Time (Sec.)	R <sub>min</sub> (Ω)	R <sub>1max</sub> (Ω)
1812L750SL	7.5	15.0	6	50	1.5	37.5	2.0	0.001	0.006

- Note:
- I<sub>hold</sub> = Hold current: maximum current device will pass without tripping in 20°C still air.
  - I<sub>trip</sub> = Trip Current: minimum current at which the device will trip in 20°C still air.
  - V<sub>max</sub> = Maximum voltage device can withstand without damage at rated current (I<sub>max</sub>)
  - I<sub>max</sub> = Maximum fault current device can withstand without damage at rated voltage (V<sub>max</sub>)
  - Pd = Power dissipated from device when in the tripped state at 20°C still air.
  - R<sub>min</sub> = Minimum resistance of device in initial (un-soldered) state.
  - R<sub>1max</sub> = Maximum resistance of device at 20°C measured one hour after tripping or reflow soldering of 260°C for 20 sec.

**Caution** :Operation beyond the specified rating may result in damage and possible arcing and flame.



### PHYSICAL DIMENSIONS (mm)

Part Number	A		B		C		D		E	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1812L750SL	4.37	4.73	3.07	3.41	0.50	0.70	0.30	1.20	0.15	0.65

**THERMAL DERATING CHART – I<sub>hold</sub>/I<sub>trip</sub> (Amps)**
**Recommended Data**

Part Number		Ambient Operation Temperature								
		-40 °C	-20 °C	0 °C	23 °C	40 °C	50 °C	60 °C	70 °C	85 °C
1812L750SL	I <sub>hold</sub>	11.65	10.40	9.00	7.50	6.00	5.00	4.00	3.40	2.80
	I <sub>trip</sub>	23.30	20.80	18.00	15.00	12.00	10.00	8.00	6.80	5.60