

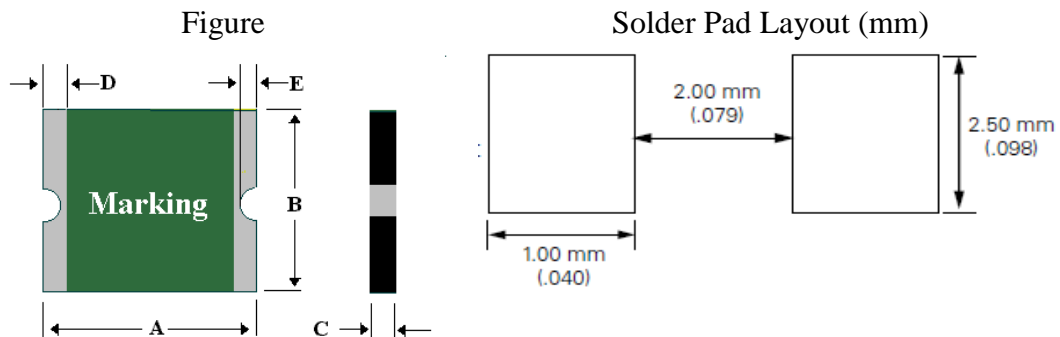
Device Specification

ELECTRICAL CHARACTERISTICS

Part Number	I _{hold} (A)	I _{trip} (A)	V _{max} (Vdc)	I _{max} (A)	Pd _{max} (W)	Maximum Time-to-Trip		Resistance	
						Current (A)	Time (Sec.)	R _{min} (Ω)	R _{1max} (Ω)
1210L450SL	4.5	9.0	6	50	1.00	22.50	2.00	0.001	0.014
1210L500SL	5.0	10.0	6	50	1.20	25.00	2.00	0.001	0.012

- Note:
- I_{hold} = Hold current: maximum current device will pass without tripping in 20°C still air.
 - I_{trip} = Trip Current: minimum current at which the device will trip in 20°C still air.
 - V_{max} = Maximum voltage device can withstand without damage at rated current (I_{max})
 - I_{max} = Maximum fault current device can withstand without damage at rated voltage (V_{max})
 - Pd = Power dissipated from device when in the tripped state at 20°C still air.
 - R_{min} = Minimum resistance of device in initial (un-soldered) state.
 - R_{1max} = 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.
1210L450SL	3	3.43	2.35	2.80	0.60	0.80	0.25	0.75	0.10	0.50
1210L500SL	3	3.43	2.35	2.80	0.60	0.80	0.25	0.75	0.10	0.50

THERMAL DERATING CHART – $I_{\text{hold}}/I_{\text{trip}}$ (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
1210L450SL	I_{hold}	6.35	5.70	5.15	4.50	3.60	3.30	3.00	2.55	1.90
	I_{trip}	12.9	11.5	10.4	9.00	7.35	6.70	6.00	5.15	3.90
1210L500SL	I_{hold}	7.05	6.30	5.70	5.00	4.25	3.80	3.30	2.80	2.10
	I_{trip}	14.10	12.60	11.40	10.00	8.50	7.60	6.60	5.60	4.20