

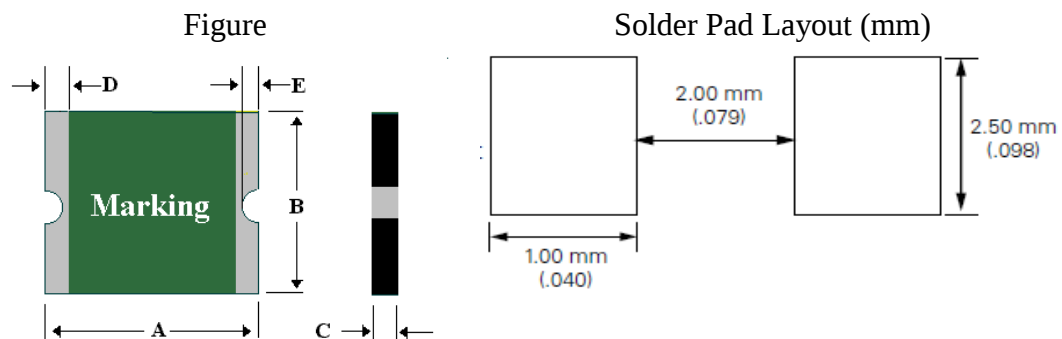
Device Specification

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_{hold}/I_{trip} (Amps)

Recommended Data

Part Number		Ambient Operation Temperature								
		-40 ℃	-20 ℃	0 ℃	23 ℃	40 ℃	50 ℃	60 ℃	70 ℃	85 ℃
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