

Rohs @ 1812L SL Series

Pending

Device Specification

ELECTRICAL CHARACTERISTICS

Dont Numbon	I _{hold}	I _{trip}	V _{max}	I _{max} (A)	Pd _{max} (W)	Maxi Time-t	mum to-Trip	Resistance	
rart Number	(A)	(A)	(Vdc)			Current (A)	Time (Sec.)	${f R}_{ m min}$ (Ω)	$\begin{array}{c c} & \mathbf{R}_{1\text{max}} \\ & (\Omega) \end{array}$
1812L750SL	7.5	15.0	6	50	1.5	37.5	2.0	0.001	0.006
Note: I_{hold} = Hold current: maximum current device will pass without tripping in 20°C still air.									
$\mathbf{I}_{\mathrm{trip}}$	= 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 (Imax)								
I _{max}	= Maximum fault current device can withstand without damage at rated voltage (Vmax)								
Pd	= Power dissipated from device when in the tripped state at 20° C still air.								
\mathbf{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.



Solder Pad Layout (mm)



PHYSICAL DIMENSIONS (mm)

Dort Number	Α		В		С		D		E	
I alt Nullidei	Min.	Max.								
1812L750SL	4.37	4.73	3.07	3.41	0.50	0.70	0.30	1.20	0.15	0.65

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THERMAL DERATING CHART – Ihold/Itrip (Amps)

Recommended Data

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