

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number:	0603L300/9SLYR
Manufacturer:	Littelfuse Inc.
Package:	0603 (1608 Metric), Concave
Availability:	Please confirm with sales

Product Page:

<https://antrexco.com/product/details/littelfuse-inc/0603l300-9slyr.html>

Request a Quote:

[Submit RFQ for this part](#)



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Quality & Trust

New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

Note:

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.

Device Specification

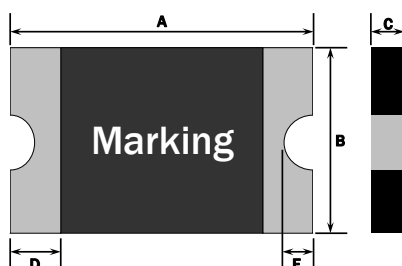
ELECTRICAL CHARACTERISTICS

Part Number	Marking	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_{Imax} (Ω)
0603L300/9SL	Z	3.00	6.00	9	50	0.60	8.00	1.00	0.003	0.030

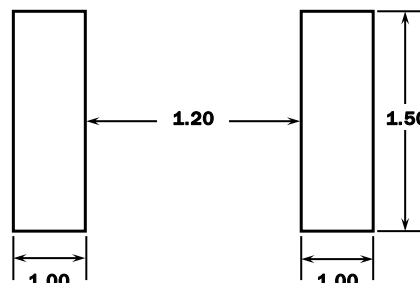
Note: I_{hold} = Hold current: maximum current device will pass without tripping in 20°C still air.
 I_{trip} = Trip Current: minimum current at which the device will trip in 20°C still air.
 V_{max} = Maximum voltage device can withstand without damage at rated current (I_{max})
 I_{max} = Maximum fault 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_{Imax} = 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.

Figure



Solder Pad Layout (mm)



PHYSICAL DIMENSIONS (mm)

Part Number	A		B		C		D		E	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
0603L300/9SL	1.40	1.80	0.60	1.00	0.40	1.00	0.15	0.50	--	0.40

THERMAL DERATING CHART – I_{hold}/I_{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
0603L300/9SL	I _{hold}	4.70	4.15	3.60	3.00	2.50	2.20	2.00	1.65	1.20
	I _{trip}	9.50	8.30	7.30	6.00	5.00	4.40	4.00	3.30	2.50

AVERAGE TIME-CURRENT CURVE

