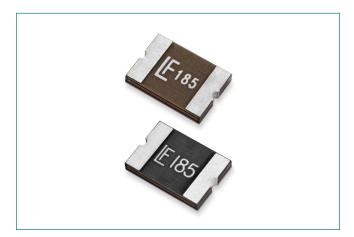
2920L Series **Surface Mount**





Web Resources



Download ECAD models, order samples, and find technical recources at www.littelfuse.com

Description

The 2920L Series PTC provides surface mount overcurrent protection for medium voltage (≤60V) applications where resettable protection is desired.

Features & Benefits

- RoHS compliant, lead-free and halogen-free
- Fast response to fault currents
- High voltage
- Low-profile

Applications

- IEEE 1394 port protection
- Powered ethernet port protection (IEEE 802.3 af)
- Automotive electronic control module protection
- Low voltage telecom equipment protection

Agency Approvals

Agency	Agency File Number
c 'RL 'us	E183209
\triangle	R50119118

Electrical Characteristics

Part Number	Marking	l hold	l trip	V max	l max	P _d typ.	Maximu To T		Resist	ance	Agen Appro	
Part Number	iviarking	(A)	(Ä)	(Vdc)	(A)	(W)	Current (A)	Time (Sec.)	R _{min} (Ω)	R _{1max} (Ω)	c '71 0s	
2920L030	LF030	0.30	0.60	60	10	1.50	1.50	3.00	1.200	4.800	Χ	Χ
2920L035	LF035●72	0.35	0.70	72	10	2.50	2.50	5.00	0.500	4.000	Χ	Χ
2920L050	LF050	0.50	1.00	60	10	1.50	2.50	4.00	0.350	1.400	Χ	Χ
2920L050/72	LF050●72	0.50	1.00	72	10	2.50	2.50	5.00	0.300	1.500	Χ	Χ
2920L075	LF075	0.75	1.50	30	40	1.50	8.00	0.30	0.350	1.000	Χ	Χ
2920L075/60	LF075●60	0.75	1.50	60	10	1.50	8.00	0.30	0.300	0.950	Χ	Χ
2920L075/72	LF075●72	0.75	1.50	72	10	2.50	8.00	0.30	0.240	0.950	Χ	Χ
2920L100	LF100	1.10	2.20	33	40	1.50	8.00	0.50	0.120	0.410	X	Χ
2920L110/60	LF110	1.10	2.20	60	20	2.00	8.00	0.50	0.120	0.410	Χ	Χ
2920L125	LF125	1.25	2.50	15	40	1.50	8.00	2.00	0.070	0.250	Χ	Χ
2920L150	LF150	1.50	3.00	33	40	1.50	8.00	2.00	0.080	0.230	Χ	Χ
2920L150/60	LF150●60	1.50	3.00	60	20	2.50	8.00	5.00	0.070	0.250	Χ	Χ
2920L185	LF185	1.85	3.70	33	40	1.50	8.00	2.50	0.050	0.150	X	Χ
2920L200	LF200	2.00	4.00	15	40	1.50	8.00	5.00	0.050	0.125	X	Χ
2920L200/24	LF200●24	2.00	4.00	24	40	1.50	8.00	5.00	0.050	0.125	Χ	Χ
2920L250	LF250	2.50	5.00	15	40	1.50	8.00	5.00	0.035	0.085	Χ	Χ
2920L260	LF260	2.60	5.00	6	40	1.50	8.00	10.00	0.025	0.075	Χ	Χ
2920L260/24	LF260●24	2.60	5.00	24	40	1.50	8.00	5.00	0.025	0.075	Χ	Χ
2920L260/33	LF260●33	2.60	5.00	33	40	3.00	8.00	15.00	0.020	0.075	Χ	Χ
2920L300	LF300	3.00	5.00	6	40	1.50	8.00	20.00	0.015	0.048	Χ	Χ
2920L300/15	LF300●15	3.00	5.00	15	40	1.50	8.00	20.00	0.015	0.048	Χ	Χ
2920L330/24	LF330	3.3	5.50	24	40	2.0	8.00	5.00	0.015	0.055	Χ	Χ
2920L400/15	LF400	4.00	8.00	15	40	1.50	20.00	4.00	0.010	0.040	Χ	Χ
2920L500/16	LF500●16	5.00	10.00	16	40	2.0	20.00	5.00	0.005	0.025	Χ	Χ
2920L600/12	LF600●12	6.00	12.00	12	50	2.00	30.00	2.00	0.004	0.020	Χ	Χ
2920L600/16	LF600●16	6.00	12.00	16	40	2.20	30.00	2.00	0.004	0.020	Χ	Χ
2920L700/12	LF700●12	7.00	14.00	12	50	2.00	35.00	2.00	0.003	0.018	Χ	Χ

⁼ Hold current: maximum current device will pass without tripping in 20°C still air.

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



hold property in a similar current device will pass without tripping in 20°C still air. $V_{min} = \text{Trip current: minimum current at which the device will trip in 20°C still air.}$

max = Maximum voltage device can withstand without damage at rated current (I max)

 $[\]mathbf{I}_{\max}^{\max}$ = Maximum fault current device can withstand without damage at rated voltage (V_{\max}) \mathbf{P}_{a} = 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.

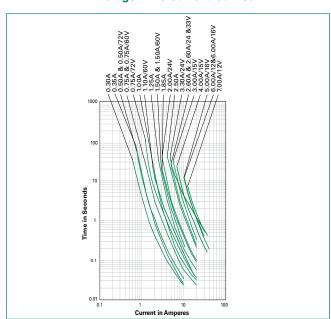
 $[\]mathbf{R}_{\mathsf{typ}}^{\mathsf{mini}}$ = Typical resistance of device in initial (un-soldered) state. R Times = Maximum resistance of device at 20°C measured one hour after tripping or reflow soldering of 260°C for

Temperature Rerating

Part Number Hold Current (A) 2920L030 0.45 0.40 0.35 0.30 0.25 0.23 0.20 0.17 0.14 2920L035 0.55 0.49 0.42 0.35 0.30 0.25 0.23 0.20 0.15 2920L050 0.76 0.67 0.59 0.50 0.42 0.38 0.33 0.29 0.23 2920L050/72 0.78 0.69 0.60 0.50 0.42 0.38 0.33 0.29 0.22 2920L075 1.13 1.01 0.88 0.75 0.62 0.56 0.50 0.44 0.34 2920L075/70 1.13 1.01 0.88 0.75 0.62 0.56 0.50 0.44 0.34 2920L100 1.66 1.47 1.29 1.10 0.91 0.83 0.73 0.64 0.50 2920L1100 1.66 1.47 1.29 1.10 0.91 0.83 0.73 0.64 0.50	Ambient Operation Temperature									
2920L030 0.45 0.40 0.35 0.30 0.25 0.23 0.20 0.17 0.14 2920L035 0.55 0.49 0.42 0.35 0.30 0.26 0.23 0.20 0.15 2920L050/72 0.78 0.69 0.69 0.50 0.42 0.38 0.33 0.29 0.23 2920L075/72 0.78 0.69 0.60 0.50 0.42 0.38 0.33 0.29 0.22 2920L075/72 1.13 1.01 0.88 0.75 0.62 0.56 0.50 0.44 0.34 2920L075/60 1.13 1.01 0.88 0.75 0.62 0.56 0.50 0.44 0.34 2920L1075/72 1.13 1.01 0.88 0.75 0.62 0.56 0.50 0.44 0.34 2920L100 1.66 1.47 1.29 1.10 0.91 0.83 0.73 0.64 0.50 2920L1250 1.89 1.68		-40°C	-20°C	0°C	20°C	40°C	50°C	60°C	70°C	85°C
2920L035 0.55 0.49 0.42 0.35 0.30 0.26 0.23 0.20 0.15 2920L050 0.76 0.67 0.59 0.50 0.42 0.38 0.33 0.29 0.23 2920L050/72 0.78 0.69 0.60 0.50 0.42 0.38 0.33 0.29 0.22 2920L075 1.13 1.01 0.88 0.75 0.62 0.56 0.50 0.44 0.34 2920L075/60 1.13 1.01 0.88 0.75 0.62 0.56 0.50 0.44 0.34 2920L075/72 1.13 1.01 0.88 0.75 0.62 0.56 0.50 0.44 0.34 2920L100 1.66 1.47 1.29 1.10 0.91 0.83 0.73 0.64 0.50 2920L125 1.89 1.68 1.46 1.25 1.04 0.94 0.83 0.73 0.56 2920L150 2.27 2.01	Part Number					Hold Current (A)			
2920L050 0.76 0.67 0.59 0.50 0.42 0.38 0.33 0.29 0.23 2920L050/72 0.78 0.69 0.60 0.50 0.42 0.38 0.33 0.29 0.22 2920L075 1.13 1.01 0.88 0.75 0.62 0.56 0.50 0.44 0.34 2920L075/60 1.13 1.01 0.88 0.75 0.62 0.56 0.50 0.44 0.34 2920L100 1.66 1.47 1.29 1.10 0.91 0.83 0.73 0.64 0.50 2920L110/60 1.66 1.47 1.29 1.10 0.91 0.83 0.73 0.64 0.50 2920L125 1.89 1.68 1.46 1.25 1.04 0.94 0.83 0.73 0.66 2920L150 2.27 2.01 1.76 1.50 1.25 1.13 1.00 0.87 0.74 2920L150/60 2.31 2.05 <	2920L030	0.45	0.40	0.35	0.30	0.25	0.23	0.20	0.17	0.14
2920L050/72 0.78 0.69 0.60 0.50 0.42 0.38 0.33 0.29 0.22 2920L075 1.13 1.01 0.88 0.75 0.62 0.56 0.50 0.44 0.34 2920L075/60 1.13 1.01 0.88 0.75 0.62 0.56 0.50 0.44 0.34 2920L100 1.66 1.47 1.29 1.10 0.91 0.83 0.73 0.64 0.50 2920L110/60 1.66 1.47 1.29 1.10 0.91 0.83 0.73 0.64 0.50 2920L125 1.89 1.68 1.46 1.25 1.04 0.94 0.83 0.73 0.64 0.50 2920L150 2.27 2.01 1.76 1.50 1.25 1.13 1.00 0.87 0.74 2920L150 2.31 2.05 1.80 1.50 1.28 1.15 1.02 0.89 0.70 2920L185 2.80	2920L035	0.55	0.49	0.42	0.35	0.30	0.26	0.23	0.20	0.15
2920L075 1.13 1.01 0.88 0.75 0.62 0.56 0.50 0.44 0.34 2920L075/60 1.13 1.01 0.88 0.75 0.62 0.56 0.50 0.44 0.34 2920L075/72 1.13 1.01 0.88 0.75 0.62 0.56 0.50 0.44 0.34 2920L100 1.66 1.47 1.29 1.10 0.91 0.83 0.73 0.64 0.50 2920L125 1.89 1.68 1.46 1.25 1.04 0.94 0.83 0.73 0.64 0.50 2920L150 2.27 2.01 1.76 1.50 1.25 1.13 1.00 0.87 0.74 2920L150/60 2.31 2.05 1.80 1.50 1.28 1.15 1.02 0.89 0.70 2920L200 3.02 2.68 2.34 2.00 1.66 1.50 1.32 1.16 0.90 2920L200/24 3.14 <	2920L050	0.76	0.67	0.59	0.50	0.42	0.38	0.33	0.29	0.23
2920L075/60 1.13 1.01 0.88 0.75 0.62 0.56 0.50 0.44 0.34 2920L075/72 1.13 1.01 0.88 0.75 0.62 0.56 0.50 0.44 0.34 2920L100 1.66 1.47 1.29 1.10 0.91 0.83 0.73 0.64 0.50 2920L125 1.89 1.68 1.46 1.25 1.04 0.94 0.83 0.73 0.64 0.50 2920L150 2.27 2.01 1.76 1.50 1.25 1.13 1.00 0.87 0.74 2920L150/60 2.31 2.05 1.80 1.50 1.28 1.15 1.02 0.89 0.70 2920L185 2.80 2.47 2.17 1.85 1.54 1.39 1.22 1.07 0.85 2920L200 3.02 2.68 2.34 2.00 1.66 1.50 1.32 1.16 0.90 2920L200/24 3.14 <	2920L050/72	0.78	0.69	0.60	0.50	0.42	0.38	0.33	0.29	0.22
2920L075/72 1.13 1.01 0.88 0.75 0.62 0.56 0.50 0.44 0.34 2920L100 1.66 1.47 1.29 1.10 0.91 0.83 0.73 0.64 0.50 2920L110/60 1.66 1.47 1.29 1.10 0.91 0.83 0.73 0.64 0.50 2920L125 1.89 1.68 1.46 1.25 1.04 0.94 0.83 0.73 0.56 2920L150 2.27 2.01 1.76 1.50 1.25 1.13 1.00 0.87 0.74 2920L150/60 2.31 2.05 1.80 1.50 1.28 1.15 1.02 0.89 0.70 2920L185 2.80 2.47 2.17 1.85 1.54 1.39 1.22 1.07 0.85 2920L200 3.02 2.68 2.34 2.00 1.66 1.50 1.32 1.16 0.90 2920L200/24 3.14 2.77 <	2920L075	1.13	1.01	0.88	0.75	0.62	0.56	0.50	0.44	0.34
2920L100 1.66 1.47 1.29 1.10 0.91 0.83 0.73 0.64 0.50 2920L110/60 1.66 1.47 1.29 1.10 0.91 0.83 0.73 0.64 0.50 2920L125 1.89 1.68 1.46 1.25 1.04 0.94 0.83 0.73 0.56 2920L150 2.27 2.01 1.76 1.50 1.25 1.13 1.00 0.87 0.74 2920L150/60 2.31 2.05 1.80 1.50 1.28 1.15 1.02 0.89 0.70 2920L185 2.80 2.47 2.17 1.85 1.54 1.39 1.22 1.07 0.85 2920L200 3.02 2.68 2.34 2.00 1.66 1.50 1.32 1.16 0.90 2920L200/24 3.14 2.77 2.42 2.00 1.73 1.56 1.38 1.20 0.98 2920L260 3.64 3.25	2920L075/60	1.13	1.01	0.88	0.75	0.62	0.56	0.50	0.44	0.34
2920L110/60 1.66 1.47 1.29 1.10 0.91 0.83 0.73 0.64 0.50 2920L125 1.89 1.68 1.46 1.25 1.04 0.94 0.83 0.73 0.56 2920L150 2.27 2.01 1.76 1.50 1.25 1.13 1.00 0.87 0.74 2920L150/60 2.31 2.05 1.80 1.50 1.28 1.15 1.02 0.89 0.70 2920L185 2.80 2.47 2.17 1.85 1.54 1.39 1.22 1.07 0.85 2920L200 3.02 2.68 2.34 2.00 1.66 1.50 1.32 1.16 0.90 2920L200/24 3.14 2.77 2.42 2.00 1.73 1.56 1.38 1.20 0.98 2920L260 3.64 3.25 2.91 2.60 2.26 2.08 1.95 1.74 1.48 2920L360/24 3.64 3.25 <	2920L075/72	1.13	1.01	0.88	0.75	0.62	0.56	0.50	0.44	0.34
2920L125 1.89 1.68 1.46 1.25 1.04 0.94 0.83 0.73 0.56 2920L150 2.27 2.01 1.76 1.50 1.25 1.13 1.00 0.87 0.74 2920L150/60 2.31 2.05 1.80 1.50 1.28 1.15 1.02 0.89 0.70 2920L185 2.80 2.47 2.17 1.85 1.54 1.39 1.22 1.07 0.85 2920L200 3.02 2.68 2.34 2.00 1.66 1.50 1.32 1.16 0.90 2920L200/24 3.14 2.77 2.42 2.00 1.73 1.56 1.38 1.20 0.98 2920L250 3.78 3.35 2.93 2.50 2.08 1.88 1.65 1.45 1.13 2920L260 3.64 3.25 2.91 2.60 2.26 2.08 1.95 1.74 1.48 2920L260/24 3.64 3.25	2920L100	1.66	1.47	1.29	1.10	0.91	0.83	0.73	0.64	0.50
2920L150 2.27 2.01 1.76 1.50 1.25 1.13 1.00 0.87 0.74 2920L150/60 2.31 2.05 1.80 1.50 1.28 1.15 1.02 0.89 0.70 2920L185 2.80 2.47 2.17 1.85 1.54 1.39 1.22 1.07 0.85 2920L200 3.02 2.68 2.34 2.00 1.66 1.50 1.32 1.16 0.90 2920L200/24 3.14 2.77 2.42 2.00 1.73 1.56 1.38 1.20 0.98 2920L250 3.78 3.35 2.93 2.50 2.08 1.88 1.65 1.45 1.13 2920L260 3.64 3.25 2.91 2.60 2.26 2.08 1.95 1.74 1.48 2920L260/24 3.64 3.25 2.91 2.60 2.26 2.08 1.95 1.74 1.48 2920L300/33 3.95 3.52 <	2920L110/60	1.66	1.47	1.29	1.10	0.91	0.83	0.73	0.64	0.50
2920L150/60 2.31 2.05 1.80 1.50 1.28 1.15 1.02 0.89 0.70 2920L185 2.80 2.47 2.17 1.85 1.54 1.39 1.22 1.07 0.85 2920L200 3.02 2.68 2.34 2.00 1.66 1.50 1.32 1.16 0.90 2920L200/24 3.14 2.77 2.42 2.00 1.73 1.56 1.38 1.20 0.98 2920L250 3.78 3.35 2.93 2.50 2.08 1.88 1.65 1.45 1.13 2920L260 3.64 3.25 2.91 2.60 2.26 2.08 1.95 1.74 1.48 2920L260/24 3.64 3.25 2.91 2.60 2.26 2.08 1.95 1.74 1.48 2920L260/33 3.95 3.52 3.09 2.60 2.24 2.02 1.81 1.60 1.27 2920L300 4.53 4.02 <	2920L125	1.89	1.68	1.46	1.25	1.04	0.94	0.83	0.73	0.56
2920L185 2.80 2.47 2.17 1.85 1.54 1.39 1.22 1.07 0.85 2920L200 3.02 2.68 2.34 2.00 1.66 1.50 1.32 1.16 0.90 2920L200/24 3.14 2.77 2.42 2.00 1.73 1.56 1.38 1.20 0.98 2920L250 3.78 3.35 2.93 2.50 2.08 1.88 1.65 1.45 1.13 2920L260 3.64 3.25 2.91 2.60 2.26 2.08 1.95 1.74 1.48 2920L260/24 3.64 3.25 2.91 2.60 2.26 2.08 1.95 1.74 1.48 2920L260/33 3.95 3.52 3.09 2.60 2.24 2.02 1.81 1.60 1.27 2920L300 4.53 4.02 3.51 3.00 2.52 2.26 1.99 1.75 1.34 2920L300/15 4.20 3.85 <	2920L150	2.27	2.01	1.76	1.50	1.25	1.13	1.00	0.87	0.74
2920L200 3.02 2.68 2.34 2.00 1.66 1.50 1.32 1.16 0.90 2920L200/24 3.14 2.77 2.42 2.00 1.73 1.56 1.38 1.20 0.98 2920L250 3.78 3.35 2.93 2.50 2.08 1.88 1.65 1.45 1.13 2920L260 3.64 3.25 2.91 2.60 2.26 2.08 1.95 1.74 1.48 2920L260/24 3.64 3.25 2.91 2.60 2.26 2.08 1.95 1.74 1.48 2920L260/33 3.95 3.52 3.09 2.60 2.24 2.02 1.81 1.60 1.27 2920L300 4.53 4.02 3.51 3.00 2.52 2.26 1.99 1.75 1.34 2920L300/15 4.20 3.85 3.44 3.00 2.69 2.50 2.31 2.12 1.83 2920L330/24 4.60 4.20	2920L150/60	2.31	2.05	1.80	1.50	1.28	1.15	1.02	0.89	0.70
2920L200/24 3.14 2.77 2.42 2.00 1.73 1.56 1.38 1.20 0.98 2920L250 3.78 3.35 2.93 2.50 2.08 1.88 1.65 1.45 1.13 2920L260 3.64 3.25 2.91 2.60 2.26 2.08 1.95 1.74 1.48 2920L260/24 3.64 3.25 2.91 2.60 2.26 2.08 1.95 1.74 1.48 2920L260/33 3.95 3.52 3.09 2.60 2.24 2.02 1.81 1.60 1.27 2920L300 4.53 4.02 3.51 3.00 2.52 2.26 1.99 1.75 1.34 2920L300/15 4.20 3.85 3.44 3.00 2.69 2.50 2.31 2.12 1.83 2920L330/24 4.60 4.20 3.75 3.30 2.95 2.75 2.50 2.25 1.70	2920L185	2.80	2.47	2.17	1.85	1.54	1.39	1.22	1.07	0.85
2920L250 3.78 3.35 2.93 2.50 2.08 1.88 1.65 1.45 1.13 2920L260 3.64 3.25 2.91 2.60 2.26 2.08 1.95 1.74 1.48 2920L260/24 3.64 3.25 2.91 2.60 2.26 2.08 1.95 1.74 1.48 2920L260/33 3.95 3.52 3.09 2.60 2.24 2.02 1.81 1.60 1.27 2920L300 4.53 4.02 3.51 3.00 2.52 2.26 1.99 1.75 1.34 2920L300/15 4.20 3.85 3.44 3.00 2.69 2.50 2.31 2.12 1.83 2920L330/24 4.60 4.20 3.75 3.30 2.95 2.75 2.50 2.25 1.70	2920L200	3.02	2.68	2.34	2.00	1.66	1.50	1.32	1.16	0.90
2920L260 3.64 3.25 2.91 2.60 2.26 2.08 1.95 1.74 1.48 2920L260/24 3.64 3.25 2.91 2.60 2.26 2.08 1.95 1.74 1.48 2920L260/33 3.95 3.52 3.09 2.60 2.24 2.02 1.81 1.60 1.27 2920L300 4.53 4.02 3.51 3.00 2.52 2.26 1.99 1.75 1.34 2920L300/15 4.20 3.85 3.44 3.00 2.69 2.50 2.31 2.12 1.83 2920L330/24 4.60 4.20 3.75 3.30 2.95 2.75 2.50 2.25 1.70	2920L200/24	3.14	2.77	2.42	2.00	1.73	1.56	1.38	1.20	0.98
2920L260/24 3.64 3.25 2.91 2.60 2.26 2.08 1.95 1.74 1.48 2920L260/33 3.95 3.52 3.09 2.60 2.24 2.02 1.81 1.60 1.27 2920L300 4.53 4.02 3.51 3.00 2.52 2.26 1.99 1.75 1.34 2920L300/15 4.20 3.85 3.44 3.00 2.69 2.50 2.31 2.12 1.83 2920L330/24 4.60 4.20 3.75 3.30 2.95 2.75 2.50 2.25 1.70	2920L250	3.78	3.35	2.93	2.50	2.08	1.88	1.65	1.45	1.13
2920L260/33 3.95 3.52 3.09 2.60 2.24 2.02 1.81 1.60 1.27 2920L300 4.53 4.02 3.51 3.00 2.52 2.26 1.99 1.75 1.34 2920L300/15 4.20 3.85 3.44 3.00 2.69 2.50 2.31 2.12 1.83 2920L330/24 4.60 4.20 3.75 3.30 2.95 2.75 2.50 2.25 1.70	2920L260	3.64	3.25	2.91	2.60	2.26	2.08	1.95	1.74	1.48
2920L300 4.53 4.02 3.51 3.00 2.52 2.26 1.99 1.75 1.34 2920L300/15 4.20 3.85 3.44 3.00 2.69 2.50 2.31 2.12 1.83 2920L330/24 4.60 4.20 3.75 3.30 2.95 2.75 2.50 2.25 1.70	2920L260/24	3.64	3.25	2.91	2.60	2.26	2.08	1.95	1.74	1.48
2920L300/15 4.20 3.85 3.44 3.00 2.69 2.50 2.31 2.12 1.83 2920L330/24 4.60 4.20 3.75 3.30 2.95 2.75 2.50 2.25 1.70	2920L260/33	3.95	3.52	3.09	2.60	2.24	2.02	1.81	1.60	1.27
2920L330/24 4.60 4.20 3.75 3.30 2.95 2.75 2.50 2.25 1.70	2920L300	4.53	4.02	3.51	3.00	2.52	2.26	1.99	1.75	1.34
·	2920L300/15	4.20	3.85	3.44	3.00	2.69	2.50	2.31	2.12	1.83
2920L400/15 5.50 5.00 4.50 4.00 3.40 3.10 2.80 2.50 2.10	2920L330/24	4.60	4.20	3.75	3.30	2.95	2.75	2.50	2.25	1.70
	2920L400/15	5.50	5.00	4.50	4.00	3.40	3.10	2.80	2.50	2.10
2920L500/16 7.55 6.70 5.85 5.00 4.15 3.75 3.30 2.90 2.25	2920L500/16	7.55	6.70	5.85	5.00	4.15	3.75	3.30	2.90	2.25
2920L600/12 8.58 7.83 7.05 6.00 5.27 4.87 4.48 4.05 3.38	2920L600/12	8.58	7.83	7.05	6.00	5.27	4.87	4.48	4.05	3.38
2920L600/16 8.58 7.83 7.05 6.00 5.27 4.87 4.48 4.05 3.38	2920L600/16	8.58	7.83	7.05	6.00	5.27	4.87	4.48	4.05	3.38
2920L700/12 9.48 8.73 7.92 7.00 6.36 5.88 5.41 4.83 3.94	2920L700/12	9.48	8.73	7.92	7.00	6.36	5.88	5.41	4.83	3.94

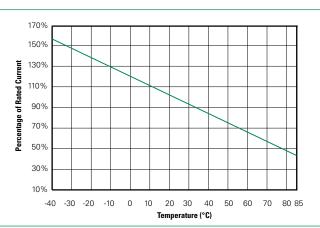
Notes: The temperature rerating data is only for reference, please contact Littelfuse technical support for detail temperature rerating information.

Average Time Current Curves



The average time current curves and Temperature Rerating curve performance is affected by a number or variables, and these curves provided as guidance only. Customer must verify the performance in their annihilation

Temperature Rerating Curve

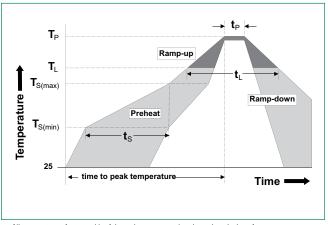


Note: Typical Temperature rerating curve, refer to table for rerating data



Soldering Parameters

Profile Feature	Pb-Free Assembly			
Average Ramp-Up	3°C/second max			
	Temperature Min (T _{s(min)})	150°C		
Pre Heat:	Temperature Max (T _{s(max)})	200°C		
	Time (Min to Max) (t _s)	60 – 180 secs		
Time Maintained	Temperature (T _L)	217°C		
Above:	Temperature (t _L)	60 – 150 seconds		
Peak / Classification	on Temperature (T _P)	260 ^{+0/-5} °C		
Time within 5°C of	20 - 40 seconds			
Ramp-down Rate	6°C/second max			
Time 25°C to peak	8 minutes Max.			



- -- All temperature refer to topside of the package, measured on the package body surface
 -- If reflow temperature exceeds the recommended profile, devices may not meet the performance requirements
 -- Recommended reflow methods: IR, vapor phase oven, hot air oven, N₂ environment for lead
 -- Recommended maximum paste thickness is 0.25mm (0.010inch)

- Devices can be cleaned using standard industry practices
 Devices can be reworked using the standard industry practices Devices can be cleaned using standard industry methods and solvents

Physical Specifications

Terminal Material	Solder-Plated Copper (Solder Material: Matte Tin(Sn))
Lead Solderability	Meets EIA Specification RS186-9E, ANSI/ J-STD-002 Category 3.

Environmental Specifications

Operating Temperature	-40°C to +85°C
Maximum Device Surface Temperature in Tripped State	125°C
Passive Aging	+85°C, 1000 hours -/+5% typical resistance change
Humidity Aging	+85°C, 85%,R.H.,1000 hours -/+5% typical resistance change
Thermal Shock	MILSTD-20 2, Method 107 +85°C/-40°C 20 times -30% typical resistance change
Solvent Resistance	MIL-STD-202, Method 215
Vibration	MIL-STD-883, Method 2007, Condition A
Moisture Sensitivity Level	Level 2a, J-STD-020

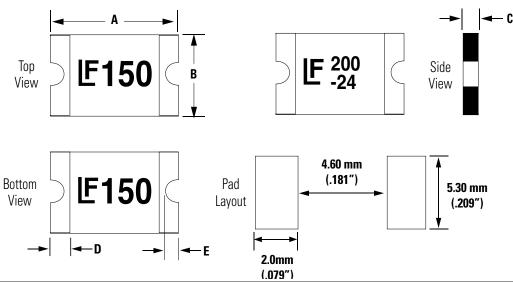


Dimensions (mm)

			A			В				С)			E		
Part Number	Incl	nes	m	m	Inc	hes	n	nm	Inc	hes	m	m	Incl	hes	n	nm	Inc	hes	mı	m
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
2920L030	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.03	0.05	0.75	1.25	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0
2920L035	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.03	0.05	0.75	1.25	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0
2920L050	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.03	0.05	0.75	1.25	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0
2920L050/72	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.03	0.05	0.75	1.25	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0
2920L075	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.03	0.05	0.75	1.25	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0
2920L075/60	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.05	0.07	1.20	1.80	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0
2920L075/72	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.05	0.07	1.20	1.80	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0
2920L100	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.02	0.04	0.55	1.00	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0
2920L110/60	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.06	0.079	1.2	2.0	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0
2920L125	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.02	0.04	0.55	1.00	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0
2920L150	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.03	0.05	0.75	1.25	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0
2920L150/60	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.03	0.07	0.80	1.80	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0
2920L185	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.03	0.05	0.75	1.25	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0
2920L200	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.03	0.05	0.75	1.25	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0
2920L200/24	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.03	0.05	0.75	1.25	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0
2920L250	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.03	0.05	0.75	1.25	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0
2920L260	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.02	0.04	0.55	1.00	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0
2920L260/24	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.03	0.05	0.75	1.25	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0
2920L260/33	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.03	0.07	0.80	1.80	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0
2920L300	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.03	0.05	0.75	1.25	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0
2920L300/15	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.03	0.05	0.75	1.25	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0
2920L330/24	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.06	0.079	1.2	2	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0
2920L400/15	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.03	0.06	0.8	1.6	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0
2920L500/16	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.03	0.06	0.8	1.6	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0
2920L600/12	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.031	0.063	0.8	1.6	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0
2920L600/16	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.031	0.063	0.8	1.6	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0
2920L700/12	0.26	0.31	6.73	7.98	0.19	0.21	4.8	5.44	0.031	0.063	8.0	1.6	0.01	0.1	0.3	2.5	0.01	0.08	0.25	2.0

MARKING CODE VARIES WITH AMPERAGE AND VOLTAGE RATING (SEE ELECTRICAL CHARACTERISTIC TABLE) SHOWN ARE:

- 1.5A/33V RATING (LEFT)
- 2.0A/24V RATING (RIGHT)

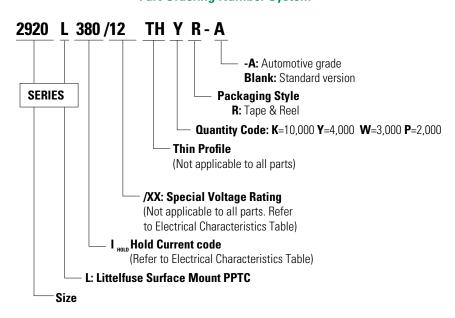




Packaging

				ackaging				
Part Number	Ordering Number	Halogen Free	I hold (A)	I hold Code	Voltage Option	Packaging Option	Quantity	Quantity & Packaging Codes
2920L030	2920L030DR	Yes	0.30	030	-	Tape and Reel	1500	DR
2920L035	2920L035DR	Yes	0.35	035	-	Tape and Reel	1500	DR
2920L050	2920L050DR	Yes	0.50	050	-	Tape and Reel	1500	DR
2920L050/72	2920L050/72DR	Yes	0.50	050	/72	Tape and Reel	1500	DR
2920L075	2920L075DR	Yes	0.75	075	-	Tape and Reel	1500	DR
2920L075/60	2920L075/60MR	Yes	0.75	075	/60	Tape and Reel	1000	MR
2920L075/72	2920L075/72MR	Yes	0.75	075	/72	Tape & Reel	1000	MR
2920L100	2920L100PR	Yes	1.10	100	-	Tape and Reel	2000	PR
2920L110/60	2920L110/60MR	Yes	1.10	110	/60	Tape and Reel	1000	MR
2920L125	2920L125PR	Yes	1.25	125	-	Tape and Reel	2000	PR
2920L150	2920L150DR	Yes	1.50	150	-	Tape and Reel	1500	DR
2920L150/60	2920L150/60MR	Yes	1.50	150	/60	Tape and Reel	1000	MR
2920L185	2920L185DR	Yes	1.85	185	-	Tape and Reel	1500	DR
2920L200	2920L200DR	Yes	2.00	200	-	Tape and Reel	1500	DR
2920L200/24	2920L200/24DR	Yes	2.00	200	/24	Tape and Reel	1500	DR
2920L250	2920L250DR	Yes	2.50	250	-	Tape and Reel	1500	DR
2920L260/24	2920L260/24DR	Yes	2.60	260	/24	Tape and Reel	1500	DR
2920L260/33	2920L260/33DR	Yes	2.60	260	/33	Tape and Reel	1500	DR
2920L260	2920L260PR	Yes	2.60	260	-	Tape and Reel	2000	PR
2920L300	2920L300DR	Yes	3.00	300	-	Tape and Reel	1500	DR
2920L300/15	2920L300/15DR	Yes	3.00	300	/15	Tape and Reel	1500	DR
2920L330/24	2920L330/24MR	Yes	3.30	330	/24	Tape and Reel	1000	MR
2920L400/15	2920L400/15MR	Yes	4.00	400	/15	Tape and Reel	1000	MR
2920L500/16	2920L500/16MR	Yes	5.00	500	/16	Tape and Reel	1000	MR
2920L600/12	2920L600/12MR	Yes	6.00	600	/12	Tape and Reel	1000	MR
2920L600/16	2920L600/16MR	Yes	6.00	600	/16	Tape and Reel	1000	MR
2920L700/12	2920L700/12MR	Yes	7.00	700	/12	Tape and Reel	1000	MR

Part Ordering Number System





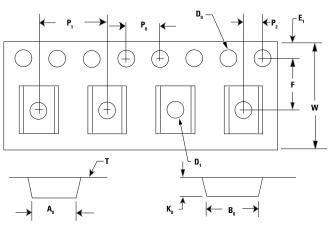
Tape and Reel Specifications

TAPE SPECIFICATIONS: EIA-481-1 (mm)										
	2920L030, 2920L035 2920L050, 2920L050/72 2920L075, 2920L150 2920L185, 2920L200, 2920L200/24 2920L250 2920L260/24, 2920L260/33 2920L300, 2920L300/15	2920L100, 2920L125, 2920L260	2920L075/60 2920L075/72 2920L110/60 2920L500/60 2920L500/16 2920L330/24 2920L400/15 2920L600/16 2920L700/12							
W	16.0+/-0.30	16.0+/-0.30	16.0+/-0.30							
F	7.50+/-0.10	7.50+/-0.10	7.50+/-0.10							
E,	1.75+/-0.10	1.75+/-0.10	1.75+/-0.10							
D_{o}	1.55+/-0.05	1.55+/-0.05	1.50+/-0.05							
D ₁	1.50+/-0.10	1.50+/-0.10	1.50 (min)							
P _o	4.00+/-0.10	4.00+/-0.10	4.00+/-0.10							
P ₁	8.00+/-0.10	8.00+/-0.10	8.00+/-0.10							
P ₂	2.00+/-0.10	2.00+/-0.10	2.00+/-0.10							
A _o	5.74+/-0.10	5.74+/-0.10	5.70+/-0.10							
B _o	8.02+/-0.10	8.02+/-0.10	8.10+/-0.10							
Т	0.30+/-0.10	0.30+/-0.10	0.30+/-0.05							
K _o	1.30+/-0.10	0.91+/-0.10	2.00+/-0.10							
Leader min.	390	390	390							
Trailer min.	160	160	160							

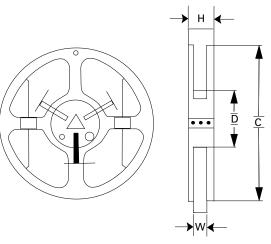
	DIMENSIONS: 481-1 (mm)								
С	C Ø180.0+/-3.0								
D	Ø60+/-0.5								
Н	19.5+/-1.0								
W	17+/-0.2								

Tape and Reel Diagram

Tape Specifications



Reel Specifications



- Warning:

 Users shall independently assess the suitability of these devices for each of their applications
- Operation of these devices beyond the stated maximum ratings could result in damage to the devices and lead to electrical arcing and/or fire
- These devices are intended to protect against the effects of temporary over-current or over-temperature conditions and are not intended to perform as protective devices where such
- conditions are expected to be repetitive or prolonged in duration
- Exposure to silicon-based oils, solvents, electrolytes, acids, and similar materials can adversely affect the performance of these PPTC devices
- These devices undergo thermal expansion under fault conditions, and thus shall be provided with adequate space and be protected against mechanical stresses
- Circuits with inductance may generate a voltage (L di/dt) above the rated voltage of the PPTC device.

Disclaimer Notice - Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and may not be used in, all applications. Read complete Disclaimer Notice at www.littelfuse.com/disclaimer-electronics.

