



Polyfuse® PTC Resettable Devices Surface Mount



PTC Resettable devices utilize a unique polymer-based, Positive Temperature Coefficient (PTC) material to protect electrical circuits against overcurrent conditions.

PTC Resettable Operation: In normal operation, the Littelfuse PTC has many conductive paths and a very low resistance. In an overcurrent condition, the temperature of the polymer material rises. This dramatically reduces the conductive paths resulting in an immediate rise in resistance. In this condition the device provides circuit protection by significantly limiting the flow of current. However, once the cause of the initial overcurrent condition is eliminated, the Littelfuse PTC cools

down and resets to a low resistance value permitting the normal current flow to resume.

Specifications:

Electrical Definitions:

• **Ihold:** Hold Current: Maximum current device will pass without tripping in 20°C still air • **Itrip:** Trip Current: Minimum current at which the device will trip in 20°C still air • **Vmax:** Maximum voltage device can withstand without damage at rated current (Imax) • **Imax:** Maximum fault current device can withstand without damage at rated voltage (Vmax) • **Rmin:** Minimum resistance of device in initial (un-soldered) state • **R1max:**

Maximum resistance of device at 20°C measured one hour after tripping or reflow soldering of 260°C for 20 seconds

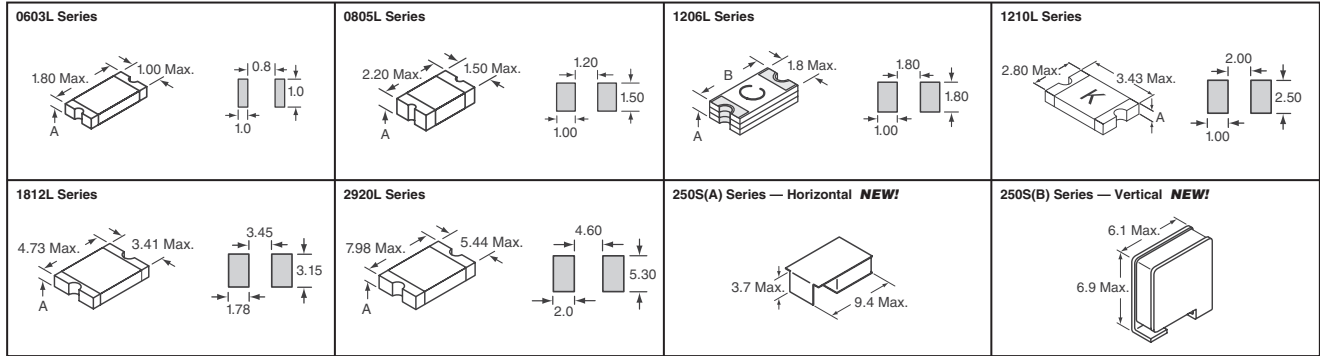
Operating Temperature: -40°C – 85°C

Maximum Device Surface Temperature in Tripped State: 125°C

Devices are not intended to be used for continual, repeated tripping.

Note: See data sheet for detailed Amperage Safety Approvals.

CAUTION: Operation beyond the specified ratings may result in damage and possible arcing and flame.



Series	Ihold (A)	Itrip (A)	Voltage Rating (V) Max.	Imax (A)	Maximum Time to Trip		Resistance (Ω)		Dimensions (mm) Max.		Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel		Littelfuse Part No.	
					Current (A)	Time (Sec.)	Rmin.	R1max.	A	B		1	10	100		Qty.	Pricing		
POLYFUSE® Lo Rho Series																			
0805L	1.10	1.80	6	50	8.00	0.30	0.030	0.130	0.75	—	F3365CT-ND	2.52	2.33	1.96	F3365TR-ND	4,000	922.42/M	0805L110SLYR	
1206L	1.10	2.20	6	50	8.00	0.30	0.015	0.100	0.75	3.40	F3366CT-ND	2.31	2.13	1.79	F3366TR-ND	4,000	845.55/M	1206L110SLYR	
	1.50	3.00	6	50	8.00	0.30	0.010	0.065	0.70	3.40	F3367CT-ND	2.31	2.13	1.79	F3367TR-ND	4,000	845.55/M	1206L150SLYR	
1210L	2.00	4.00	6	50	8.00	3.00	0.005	0.024	0.70	—	F3368CT-ND	2.74	2.52	2.12	F3368TR-ND	4,000	999.29/M	1210L200SLYR	
1812L	1.90	4.90	6	50	9.50	4.50	0.003	0.025	0.70	—	F3369CT-ND	4.71	4.34	3.65	F3369TR-ND	2,000	1822.39/M	1812L190SLPR	
POLYFUSE® Series																			
0603L	0.10	0.30	15	40	0.50	1.00	0.900	6.000	0.75	—	F2900CT-ND	3.49	3.21	2.70	F2900TR-ND	4,000	1274.47/M	0603L010YR	
	0.20	0.50	9	40	1.00	0.60	0.550	3.500	0.75	—	F2901CT-ND	3.49	3.21	2.70	F2901TR-ND	4,000	1274.47/M	0603L020YR	
	0.25	0.55	9	40	8.00	0.08	0.500	3.000	0.75	—	F2902CT-ND	3.49	3.21	2.70	F2902TR-ND	4,000	1274.47/M	0603L025YR	
	0.35	0.75	6	40	8.00	0.10	0.200	1.000	1.55	—	F2903CT-ND	3.49	3.21	2.70	F2903TR-ND	4,000	1274.47/M	0603L035YR	
0805L	0.10	0.30	15	100	0.50	1.50	1.000	6.000	1.00	—	F2769CT-ND	3.03	2.80	2.35	F2769TR-ND	4,000	1108.44/M	0805L010YR	
	0.20	0.50	9	100	8.00	0.02	0.650	3.500	1.00	—	F2770CT-ND	3.03	2.80	2.35	F2770TR-ND	4,000	1108.44/M	0805L020YR	
	0.35	0.75	6	100	8.00	0.10	0.250	1.200	0.75	—	F2771CT-ND	3.03	2.80	2.35	F2771TR-ND	4,000	1108.44/M	0805L035YR	
	0.50	1.00	6	100	8.00	0.10	0.150	0.850	1.25	—	F2772CT-ND	3.40	3.13	2.63	F2772TR-ND	3,000	1240.65/M	0805L050WR	
1206L	0.75	1.50	6	40	8.00	0.20	0.090	0.350	1.25	—	F2773CT-ND	3.40	3.13	2.63	F2773TR-ND	3,000	1240.65/M	0805L075WR	
	1.10	1.95	6	40	8.00	0.30	0.060	0.210	1.80	—	F2774CT-ND	3.76	3.46	2.91	F2774TR-ND	3,000	1372.87/M	0805L100WR	
	0.125	0.29	30	100	1.00	0.20	1.500	6.000	1.45	3.50	F2864CT-ND	.57	.54	.45	F2864TR-ND	3,000	210.62/M	1206L012WR	
	0.16	0.37	30	100	1.00	0.30	1.200	4.500	1.45	3.50	F3132CT-ND	.57	.54	.45	F3132TR-ND	3,000	210.62/M	1206L016WR	
	0.20	0.42	24	100	8.00	0.10	0.650	2.600	1.00	3.50	F2109CT-ND	.57	.54	.45	F2109TR-ND	4,000	210.62/M	1206L020YR	
	0.25	0.50	16	100	8.00	0.08	0.550	2.300	1.00	3.50	F2110CT-ND	.57	.54	.45	F2110TR-ND	4,000	210.62/M	1206L025YR	
	0.35	0.75	6	100	8.00	0.10	0.300	1.200	0.75	3.50	F2111CT-ND	.57	.54	.45	F2111TR-ND	4,000	210.62/M	1206L035YR	
	0.50	1.00	6	100	8.00	0.10	0.150	0.700	0.75	3.50	F2112CT-ND	.57	.54	.45	F2112TR-ND	4,000	210.62/M	1206L050YR	
	0.75	1.50	6	100	8.00	0.20	0.090	0.290	1.25	3.50	F3370CT-ND	.57	.54	.45	F3370TR-ND	4,000	210.62/M	1206L075THYR	
	1.10	2.20	6	100	8.00	0.30	0.040	0.180	1.00	3.40	F3371CT-ND	.59	.55	.46	F3371TR-ND	4,000	215.23/M	1206L110THYR	
1210L	1.50	3.00	6	100	8.00	1.00	0.040	0.120	1.40	3.40	F3372CT-ND	.59	.55	.46	F3372TR-ND	3,000	215.23/M	1206L150THWR	
	0.05	0.15	30	10	0.25	1.50	3.600	50.00	1.25	—	F2999CT-ND	.61	.56	.47	F2999TR-ND	3,000	221.38/M	1210L005WR	
	0.10	0.30	30	10	0.50	1.50	1.600	15.00	1.25	—	F3000CT-ND	.61	.56	.47	F3000TR-ND	3,000	221.38/M	1210L010WR	
	0.20	0.40	30	10	8.00	0.02	0.800	5.000	1.00	—	F3350CT-ND	.61	.56	.47	F3350TR-ND	3,000	221.38/M	1210L020WR	
	0.35	0.70	6	100	8.00	0.20	0.320	1.300	0.85	—	F2997CT-ND	.61	.56	.47	F2997TR-ND	4,000	221.38/M	1210L035YR	
	0.50	1.00	13.2	100	8.00	0.10	0.250	0.900	0.85	—	F2998CT-ND	.61	.56	.47	F2998TR-ND	4,000	221.38/M	1210L050YR	
	0.75	1.50	6	100	8.00	0.10	0.130	0.400	0.85	—	F3351CT-ND	.61	.56	.47	F3351TR-ND	4,000	221.38/M	1210L075YR	
	1.10	2.20	6	100	8.00	0.30	0.060	0.210	1.30	—	F3373CT-ND	.61	.56	.47	F3373TR-ND	4,000	221.38/M	1210L110THYR	
	1.50	3.00	6	100	8.00	0.50	0.040	0.110	1.80	—	F3374CT-ND	.61	.56	.47	F3374TR-ND	3,000	221.38/M	1210L150THWR	
	1812L	0.10	0.30	30	100	0.50	1.50	1.600	15.000	1.25	—	F3483CT-ND NEW!	.58	.54	.45	F3483TR-ND NEW!	1,500	224.55/M	1812L010DR
0.14		0.34	60	10	1.50	0.15	1.500	6.000	1.95	—	F3353CT-ND	.58	.54	.45	F3353TR-ND	1,500	224.55/M	1812L014DR	
0.20		0.40	30	100	8.00	0.02	0.800	5.000	1.00	—	F3354CT-ND	.58	.54	.45	F3354TR-ND	2,000	224.55/M	1812L020PR	
0.50		1.00	15	100	8.00	0.15	0.150	1.000	0.75	—	F2150CT-ND	.58	.54	.45	F2150TR-ND	2,000	224.55/M	1812L050PR	
0.75		1.50	13.2	100	8.00	0.20	0.100	0.450	0.75	—	F2151CT-ND	.61	.56	.47	F2151TR-ND	2,000	232.68/M	1812L075PR	
0.75		1.50	24	100	8.00	0.20	0.110	0.290	1.55	—	F3484CT-ND NEW!	.75	.70	.59	F3484TR-ND NEW!	1,500	291.26/M	1812L075/24DR	
0.75		1.50	33	20	8.00	0.20	0.110	0.400	1.55	—	F3355CT-ND	.75	.70	.59	F3355TR-ND	1,500	291.26/M	1812L075/33DR	
1.10		1.95	16	100	8.00	0.30	0.060	0.180	1.25	—	F3485CT-ND NEW!	.67	.63	.53	F3485TR-ND NEW!	1,500	261.98/M	1812L110/16DR	
1.10		1.95	33	20	8.00	0.50	0.060	0.200	2.00	—	F3486CT-ND NEW!	.67	.63	.53	F3486TR-ND NEW!	1,000	261.97	1812L110/33MR	
1.10		2.20	6	100	8.00	0.30	0.040	0.210	0.71	—	F2152CT-ND	.49	.45	.38	F2152TR-ND	2,000	188.75/M	1812L110PR	
2920L	1.25	2.50	15	100	8.00	0.40	0.050	0.250	1.25	—	F2153CT-ND	.67	.63	.53	F2153TR-ND	1,500	261.98/M	1812L125DR	
	1.50	3.00	8	100	8.00	0.30	0.040	0.110	0.71	—	F2154CT-ND	.61	.56	.47	F2154TR-ND	2,000	232.68/M	1812L150ZR	
	1.50	3.00	24	20	8.00	1.50	0.040	0.120	1.80	—	F3487CT-ND NEW!	.67	.63	.53	F3487TR-ND NEW!	1,000	261.97	1812L150/24MR	
	2.00	3.50	8	100	8.00	2.00	0.020	0.060	1.20	—	F3375CT-ND	.66	.61	.52	F3375TR-ND	2,000	255.46/M	1812L200THPR	
	2.60	5.00	6	100	8.00	2.50	0.015	0.047	1.34	—	F3376CT-ND	.66	.61	.52	F3376TR-ND	1,500	255.47/M	1812L260THDR	
	0.30	0.60	60	10	1.50	3.00	1.200	4.800	1.25	—	F2865CT-ND	.79	.73	.61	F2865TR-ND	1,500	304.28/M	2920L030DR	
	0.50	1.00	60	10	2.50	4.00	0.350	1.400	1.25	—	F2866CT-ND	.79	.73	.61	F2866TR-ND	1,500	304.28/M	2920L050DR	
	0.75	1.50	30	40	8.00	0.30	0.350	1.000	1.25	—	F2867CT-ND	.79	.73	.61	F2867TR-ND	1,500	304.28/M	2920L075DR	
1.10	2.20	33	40	8.00	0.50	0.120	0.410	1.00	—	F2868CT-ND	.79	.73	.61	F2868TR-ND	2,000	304.28/M	2920L100PR		
1.25	2.50	15	40	8.00	2.00	0.070	0.250	1.00	—	F2869CT-ND	.79	.73	.61	F2869TR-ND	2,000	304.28/M	2920L125PR		

(Continued)

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