



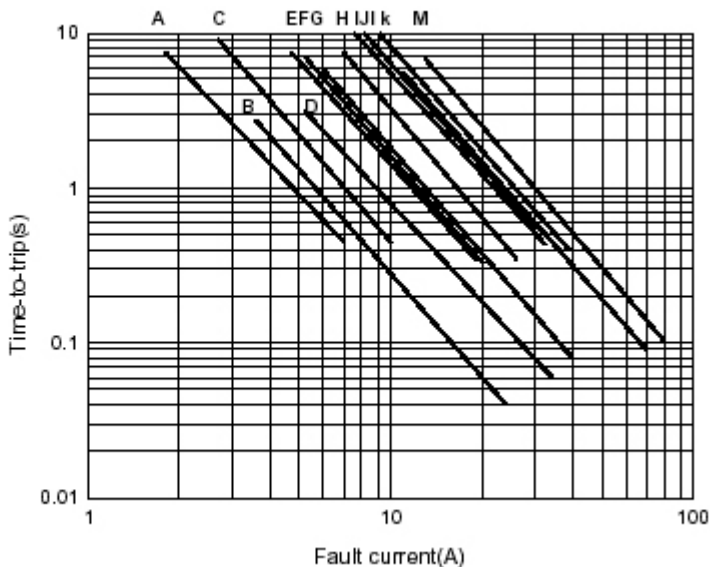
LP070	17.5	22.1	4.9	5.4	0.7	1.2	4.0	7.5	3.9	4.1
LP100	17.5	22.1	4.9	5.4	0.6	1.0	4.0	7.5	3.9	4.1
LP120	17.5	22.1	4.9	5.4	0.6	1.0	4.0	7.5	3.9	4.1
LP175	20.9	23.1	4.9	5.4	0.6	1.0	4.0	5.5	3.9	4.1
LP180	20.9	23.1	4.9	5.4	0.6	1.0	4.0	5.5	3.9	4.1
LP190	20.9	23.1	7.9	8.4	0.5	1.1	5.0	7.6	4.8	5.4
LP200	20.9	23.1	7.9	8.4	0.5	1.1	5.0	7.6	4.8	5.4
LP260	20.9	23.1	7.9	8.4	0.6	1.00	5.0	7.6	4.8	5.4
LP300	25.4	28.5	13.0	13.7	0.5	1.10	5.0	7.0	4.8	5.4
LP310	25.4	28.5	13.0	13.7	0.6	1.00	5.0	7.0	4.8	5.4
LP340	25.4	28.5	13.0	13.7	0.6	1.00	5.0	7.0	4.8	5.4
LP350	25.4	28.5	13.0	13.7	0.5	1.1	5.0	7.0	4.8	5.4
LP420	30.6	32.4	12.9	13.6	0.5	1.1	5.0	7.5	4.8	5.4

### Typical Temperature-to-IHold table (Amps)

Part #	Maximum ambient operating temperatures( )									
	-40	-20	0	25	40	50	60	70	85	
LP070	1.32	1.21	0.99	0.70	0.63	0.60	0.50	0.39	0.26	
LP100	2.00	1.73	1.52	1.00	0.99	0.85	0.75	0.61	0.40	
LP120	1.95	1.74	1.54	1.20	1.07	0.98	0.87	0.76	0.58	
LP175	2.57	2.36	2.07	1.75	1.59	1.39	1.27	1.18	0.99	
LP180	3.23	2.88	2.35	1.80	1.48	1.20	1.10	0.75	0.45	
LP190	3.50	3.00	2.51	1.90	1.60	1.35	1.20	0.88	0.52	
LP200	3.28	2.88	2.59	2.00	1.81	1.70	1.52	1.31	1.02	
LP260	4.40	3.80	3.19	2.60	2.10	1.80	1.49	1.19	0.70	
LP300	5.20	4.49	3.78	3.00	2.39	2.04	1.70	1.35	0.78	
LP310	5.46	4.68	3.80	3.10	2.45	2.11	1.80	1.40	0.80	
LP340	5.60	4.88	4.10	3.40	2.70	2.33	2.00	1.60	0.89	
LP350	5.51	4.89	4.42	3.58	3.00	2.89	2.62	2.28	1.79	
LP420	6.53	5.81	5.20	4.20	3.69	3.38	3.10	2.75	2.24	

### Typical Time to Trip Charts at 25 deg. C

- A=LP070
- B=LP100
- C=LP120
- D=LP175
- E=LP180
- F=LP190
- G=LP200
- H=LP260
- I=LP300
- J=LP310
- K=LP340
- L=LP350
- M=LP420



### Cross Reference

RTI Electronics	Raychem	Bourns
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LP070	LTP 070	MF-LS070
LP070S	LTP070S	MF-LS070S
LP100	LTP100	MF-LS100
LP100S	LTP100S	MF-LS100S
LP120	SRP120	MF-S120
LP120S	SRP120S	MF-S120S
LP175	SRP175	MF-S175
LP175S	SRP175S	MF-S175S
LP180	LTP180	MF-LS180
LP180L	LTP180L	MF-LS180L
LP180S	LTP180S	MF-LS180S
LP190	LTP190	MF-LS190
LP190 R-U	LTP190R -U	MF-LS190R -U
LP200	SRP200	MF-S200
LP260	LTP260	MF-LS260
LP300	LTP300	MF-LS300
LP340	LTP340	MF-LS340
LP350	SRP350	MF-S350
LP420	SRP420	MF-S420

## Environmental Characteristics

Operating/Storage Temperature	-40 °C to 85 °C	
Maximum Device Surface Temperature		
In Tripped State	125 °C	
Passive Aging	+70 °C, 1000 hours	±8% typical resistance change
Humidity Aging	+ 85 °C, 85%R.H. 1000 hours	±5% typical resistance change
Thermal Shock	MIL-STD-202F, Method 107G 125 °C to -40 °C, 10 times	±12% typical resistance change
Mechanical Shock	MIL-STD-202F, Method 213	No resistance change
Solvent Resistance	MIL-STD-202F, Method 215	No change
Vibration	MIL-STD-883C, Method 20007.1 Condition A	No change

## Test Procedures And Requirements

Test	Test Conditions	Accept/Reject Criteria
Resistance	In still air @ 25 °C	$R_{min} \leq R \leq R_{max}$
Time to Trip	5 times IH., $V_{max}$ , 25 °C	$T \leq \text{max. time to trip (sec.)}$
Hold Current	30 min. at IH	No trip
Trip Cycle Life	$V_{max}$ , $I_{max}$ , 100 cycles	No arcing or burning
Trip Endurance	$V_{max}$ , 24 hours	No arcing or burning