



Features

- Axial leaded
- Fully compatible with current industry standards
- Weldable nickel terminals
- Very low internal resistance
- Operating currents to 7.3 Amps
- Available in lead-free version
- Agency recognition:



Applications

- Any application that requires protection at low resistances
- Rechargeable battery packs
- Cellular phones
- Laptop computers

PFLR Series - PTC Resettable Fuses

Electrical Characteristics

Model	V max. Volts	I max. Amps	I _{hold}	I _{trip}	Initial Resistance		1 Hour (R ₁) Post-Trip Resistance	Max. Time To Trip		Tripped Power Dissipation
			Amperes At 23°C		Ohms At 23°C		Ohms At 23°C	Amperes At 23°C	Seconds At 23°C	Watts At 23°C
			Hold	Trip	Min.	Max.	Max.			
PFLR.190	15	100	1.90	3.90	0.039	0.072	0.102	9.5	5.0	1.2
PFLR.190.S	15	100	1.90	3.90	0.039	0.072	0.102	9.5	5.0	1.2
PFLR.260	15	100	2.60	5.80	0.020	0.042	0.063	13.0	5.0	1.3
PFLR.260.S	15	100	2.60	5.80	0.020	0.042	0.063	13.0	5.0	2.5
PFLR.380	15	100	3.80	8.30	0.013	0.026	0.037	19.0	5.0	2.5
* PFLR.450	20	100	4.50	8.90	0.011	0.020	0.028	22.5	5.0	2.5
* PFLR.550	20	100	5.50	10.50	0.009	0.019	0.022	27.5	5.0	2.8
* PFLR.600	20	100	6.00	11.70	0.007	0.014	0.016	30.0	5.0	2.8
* PFLR.730	20	100	7.3	14.1	0.006	0.012	0.015	30.0	5.0	3.3

* preliminary

Environmental Characteristics

Operating/Storage Temperature-40°C to +85°C
Maximum Device Surface Temperature
in Tripped State125°C
Passive Aging.....+70°C, 1000 hours±10% typical resistance change
Humidity Aging.....+85°C, 85% R.H. 7 days±10% typical resistance change
VibrationMIL-STD-883C,No change
Condition A

Test Procedures And Requirements For Model PFLR Series

Test	Test Conditions	Accept/Reject Criteria
Visual/Mech.	Verify dimensions and materials.....	Per MF physical description
Resistance	In still air @ 23°C	R _{min} ≤ R ≤ R _{max}
Time to Trip	At specified current, V _{max} , 23°C	T ≤ max. time to trip (seconds)
Hold Current	30 min. at I _{hold}	No trip
Trip Cycle Life	V _{max} , I _{max} , 100 cycles	No arcing or burning
Trip Endurance.....	V _{max} , 48 hours	No arcing or burning

UL File NumberE 174545S
CSA File NumberCA 110338
TÜV File NumberR2057213

Thermal Derating Chart - I_{hold} / I_{trip} (Amps)

Model	Ambient Operating Temperature								
	-40°C	-20°C	0°C	23°C	40°C	50°C	60°C	70°C	85°C
PFLR.190	2.8 / 5.7	2.5 / 5.1	2.3 / 4.7	1.9 / 3.9	1.6 / 3.3	1.5 / 3.1	1.4 / 2.9	1.2 / 2.5	1.0 / 2.1
PFLR.190.S	2.8 / 5.7	2.5 / 5.1	2.3 / 4.7	1.9 / 3.9	1.6 / 3.3	1.5 / 3.1	1.4 / 2.9	1.2 / 2.5	1.0 / 2.1
PFLR.260	3.8 / 8.5	3.4 / 7.6	3.1 / 6.9	2.6 / 5.8	2.2 / 4.9	2.0 / 4.5	1.9 / 4.2	1.7 / 3.8	1.4 / 3.1
PFLR.260.S	3.8 / 8.5	3.4 / 7.6	3.1 / 6.9	2.6 / 5.8	2.2 / 4.9	2.0 / 4.5	1.9 / 4.2	1.7 / 3.8	1.4 / 3.1
PFLR.380	5.5 / 12.0	4.9 / 10.7	4.4 / 9.6	3.8 / 8.3	3.3 / 7.2	3.0 / 6.6	2.8 / 6.1	2.5 / 5.5	2.1 / 4.6
* PFLR.450	6.5 / 12.9	5.8 / 11.5	5.3 / 10.5	4.5 / 8.9	3.9 / 7.7	3.6 / 7.1	3.3 / 6.5	2.9 / 5.7	2.5 / 4.9
* PFLR.550	8.0 / 15.3	7.1 / 13.6	6.2 / 11.8	5.5 / 10.5	4.7 / 9.0	4.3 / 8.2	4.0 / 7.6	3.6 / 6.9	3.0 / 5.7
* PFLR.600	8.7 / 17.0	7.8 / 15.2	7.1 / 13.8	6.0 / 11.7	5.2 / 10.1	4.7 / 9.2	4.4 / 8.6	3.9 / 7.6	3.3 / 6.4
* PFLR.730	10.6 / 20.5	9.5 / 18.3	8.6 / 16.6	7.3 / 14.1	6.3 / 12.2	5.7 / 11.0	5.4 / 10.4	4.7 / 9.1	4.0 / 7.7

* preliminary

Specifications are subject to change without notice.

PFLR Series - PTC Resettable Fuses



Product Dimensions

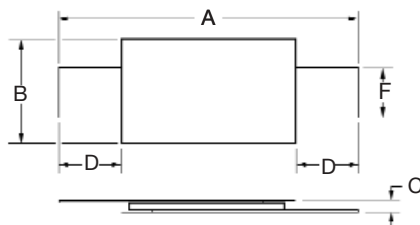
Model	A		B		C		D		F		Pkg. Style
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
PFLR.190	19.9 (0.783)	22.1 (0.870)	4.9 (0.193)	5.2 (0.205)	0.6 (0.024)	1.0 (0.039)	5.5 (0.217)	7.5 (0.295)	3.9 (0.154)	4.1 (0.161)	Std.
PFLR.190.S	19.9 (0.783)	22.1 (0.870)	4.9 (0.193)	5.2 (0.205)	0.6 (0.024)	1.0 (0.039)	5.5 (0.217)	7.5 (0.295)	3.9 (0.154)	4.1 (0.161)	S
PFLR.260	20.9 (0.823)	23.1 (0.909)	4.9 (0.193)	5.2 (0.205)	0.6 (0.024)	1.0 (0.039)	4.1 (0.161)	5.5 (0.217)	3.9 (0.154)	4.1 (0.161)	Std.
PFLR.260.S	20.9 (0.823)	23.1 (0.909)	4.9 (0.193)	5.2 (0.205)	0.6 (0.024)	1.0 (0.039)	4.1 (0.161)	5.5 (0.217)	3.9 (0.154)	4.1 (0.161)	S
PFLR.380	24.0 (0.945)	26.0 (1.024)	6.9 (0.272)	7.5 (0.295)	0.6 (0.024)	1.0 (0.039)	4.1 (0.161)	5.5 (0.217)	4.9 (0.193)	5.1 (0.201)	Std.
* PFLR.450	24.0 (0.945)	26.0 (1.024)	9.9 (0.390)	10.5 (0.414)	0.6 (0.024)	1.0 (0.039)	5.3 (0.209)	6.7 (0.264)	5.9 (0.232)	6.1 (0.240)	Std.
* PFLR.550	35.0 (1.378)	37.0 (1.457)	6.9 (0.272)	7.5 (0.295)	0.6 (0.024)	1.0 (0.039)	5.3 (0.209)	6.7 (0.264)	4.9 (0.193)	5.1 (0.201)	Std.
* PFLR.600	24.0 (0.945)	26.0 (1.024)	13.9 (0.548)	14.5 (0.571)	0.6 (0.024)	1.0 (0.039)	4.1 (0.161)	5.5 (0.217)	5.9 (0.232)	6.1 (0.240)	Std.
* PFLR.730	26.0 (1.024)	29.1 (1.146)	13.9 (0.548)	14.5 (0.571)	0.6 (0.024)	1.0 (0.039)	4.1 (0.161)	5.5 (0.217)	5.9 (0.232)	6.1 (0.240)	Std.

Packaging: Bulk - 500 pcs. per bag.

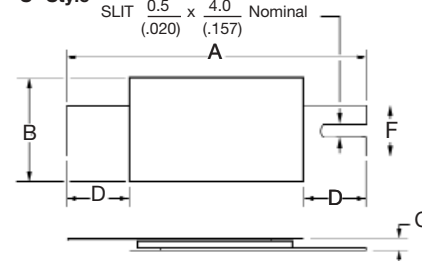
* **preliminary**

DIMENSIONS = $\frac{\text{MM}}{(\text{INCHES})}$

Standard Style

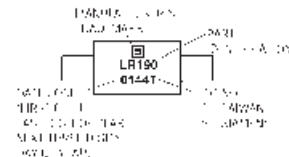


"S" Style

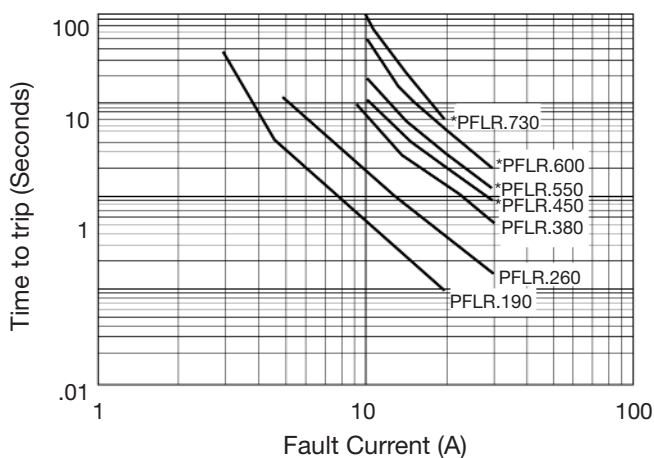


Typical Part Marking

Represents total content. Layout may vary.



Typical Time to Trip at 23°C



How To Order

PTC-Fuse **PF LR .xxx .x**

Series _____

LR = Axial Leaded "Strap" Component

Hold Current, I_{hold} _____

190-730 (1.90 Amps - 7.30 Amps)

Lead Option _____

S = Slotted Lead Option