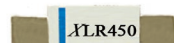
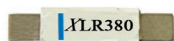


Resettable PPTC Fuse



Features

- Broadest range of resettable devices available
- Industry's lowest internal resistance
- RoHS Compliant & Halogen Free



Agency Approval and Environmental Compliance

Agency	File Number	Regulation
UL, C-UL	E211981	
TÜV	R50004084	

Note: XLR450~XLR730: C-UL pending.

XLR Series

Strap Battery Devices

Electrical Characteristics

Part Number	I_H	I_T	T_{Trip}	I_{MAX}	V_{MAX}	$P_{D Typ}$	R_{MIN}	$R1_{MAX}$
	A	A	sec/A	A	V	W	Ω	Ω
XLR190	1.9	3.9	5.0/9.5	100	15	1.2	0.039	0.102
XLR260	2.6	5.8	5.0/13.0	100	15	2.5	0.020	0.063
XLR380	3.8	8.3	5.0/19.0	100	15	2.5	0.013	0.037
XLR450	4.5	8.9	5.0/22.5	100	20	2.5	0.011	0.028
XLR550	5.5	10.5	5.0/27.5	100	20	2.8	0.009	0.022
XLR600	6.0	11.7	5.0/30.0	100	20	2.8	0.007	0.019
XLR730	7.3	14.1	5.0/36.5	100	20	3.3	0.006	0.015

I_H =Hold current-maximum current at which the device will not trip at 23°C still air.

I_T =Trip current-minimum current at which the device will always trip at 23°C still air.

T_{trip} =Maximum time to trip(s) at assigned current.

I_{MAX} = Maximum fault current device can withstand without damage at rated voltage (V_{MAX}).

V_{MAX} =Maximum voltage device can withstand without damage at its rated current.

$P_{D Typ}$ =Typical power dissipated from device when in tripped state in 23°C still air environment.

R_{MIN} =Minimum device resistance at 23°C.

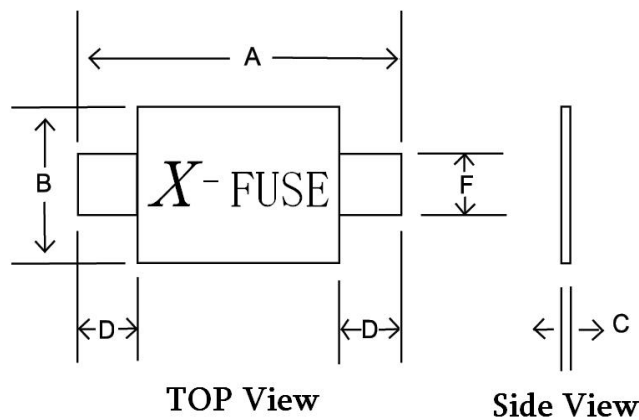
$R1_{MAX}$ =Maximum device resistance at 23°C, 1 hour after tripping .

Resettable PPTC Fuse



Product Dimensions (Millimeter)

Part Number	A		B		C		D		F	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
XLR190	19.9	22.1	4.9	5.2	0.6	1.0	5.5	7.5	3.9	4.1
XLR260	20.9	23.1	4.9	5.2	0.6	1.0	4.1	5.5	3.9	4.1
XLR380	24.0	26.0	6.9	7.5	0.6	1.0	4.1	5.5	4.9	5.1
XLR450	24.0	26.0	9.9	10.5	0.6	1.0	5.3	6.7	5.9	6.1
XLR550	35.0	37.0	6.9	7.5	0.6	1.0	5.3	6.7	4.9	5.1
XLR600	24.0	26.0	13.9	14.5	0.6	1.0	4.1	5.5	5.9	6.1
XLR730	27.1	29.1	13.9	14.5	0.6	1.0	4.1	5.5	5.9	6.1



Thermal Derating Chart- I_H (A)

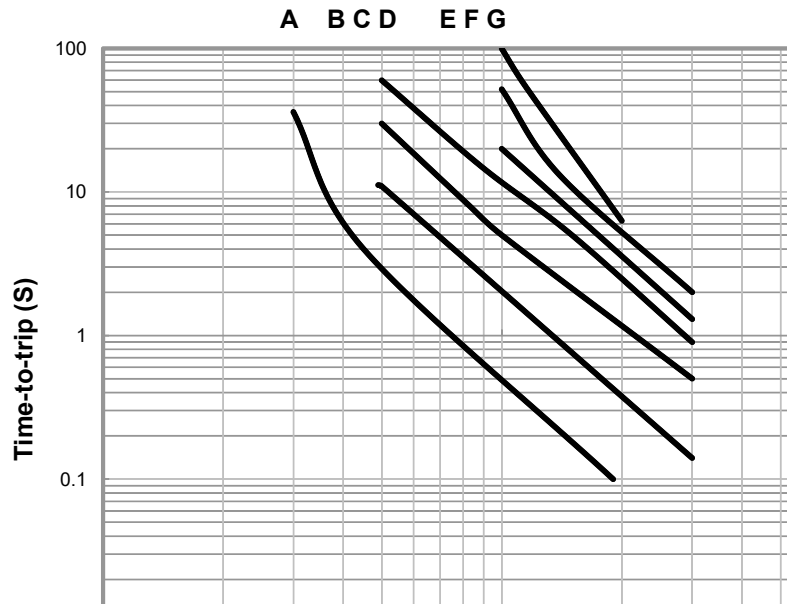
Part Number	Maximum ambient operating Temperature(°C)									
	-40	-20	0	23	30	40	50	60	70	85
XLR190	2.81	2.47	2.19	1.90	1.77	1.63	1.48	1.35	1.22	1.06
XLR260	3.85	3.38	2.99	2.60	2.42	2.24	2.03	1.85	1.66	1.46
XLR380	5.62	4.94	4.37	3.80	3.53	3.27	2.96	2.70	2.43	2.13
XLR450	6.66	5.85	5.18	4.50	4.19	3.87	3.51	3.20	2.88	2.52
XLR550	8.14	7.15	6.33	5.50	5.12	4.73	4.29	3.91	3.52	3.08
XLR600	8.88	7.80	6.90	6.00	5.58	5.16	4.68	4.26	3.84	3.36
XLR730	10.80	9.49	8.40	7.30	6.79	6.28	5.69	5.18	4.67	4.09

Resettable PPTC Fuse

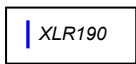


Typical Time-To-Trip at 23°C

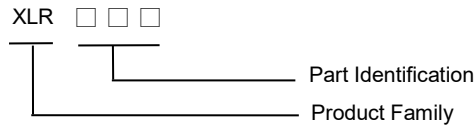
- A = **XLR190**
- B = **XLR260**
- C = **XLR380**
- D = **XLR450**
- E = **XLR550**
- F = **XLR600**
- G = **XLR730**



Marking System



Example



Package Information

Bulk:

- XLR190~XLR380**-----1000pcs per bag
- XLR450~XLR730**-----500pcs per bag

Caution : Operation beyond the specified maximum ratings or misuse can result in damage and possible electrical arcing and/or flame.
 PPTC device are designed for occasional overcurrent protection. Not for continuously overcurrent circumstance and/or prolonged trip are not anticipated.
 Keep PPTC device away from chemical solvent contact. Prolonged contact will damage the device performance.