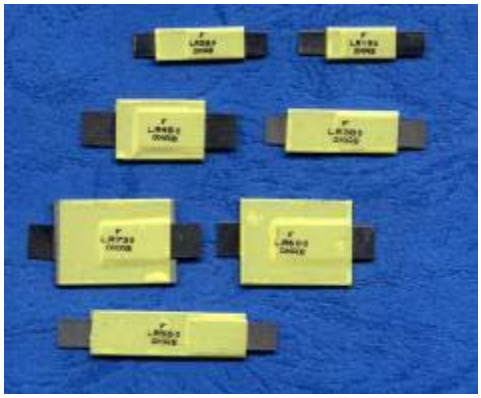
Axial Leaded PTC FLR Series

FUZETEC



Application :

Rechargeable battery packs

Lithium cell and battery packs

Product Features:

Low profile, Solid state

Operation Current: 1.9A~7.3 A

Maximum Voltage: 15V& 20V

Temperature Range: -40℃ to 85℃

Agency Approvals: UL (E211981)

C-UL(E211981)

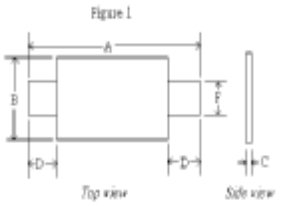
TÜV (R3-50004084)

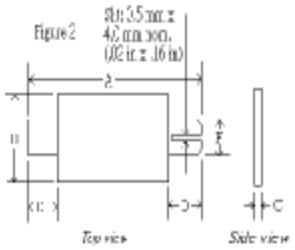
Electrical Characteristics(23℃)

Part Number	Hold Current	Trip Current	Rated Voltage	Maximum Current	Typical Power	Resistance Tolerance		
						R_{MIN}	R_{MAX}	$R1_{MAX}$
	I_H,A	I_T,A	V_{MAX}, Vdc	I_{MAX}, A	Pd, W	Ω	Ω	Ω
FLR190	1.9	3.9	15	100	1.2	0.039	0.072	0.102
FLR190S	1.9	3.9	15	100	1.2	0.039	0.072	0.102
FLR260	2.6	5.8	15	100	2.5	0.020	0.042	0.063
FLR260S	2.6	5.8	15	100	2.5	0.020	0.042	0.063
FLR380	3.8	8.3	15	100	2.5	0.013	0.026	0.037
FLR450	4.5	8.9	20	100	2.5	0.011	0.020	0.028
FLR550	5.5	10.5	20	100	2.8	0.009	0.016	0.022
FLR600	6.0	11.7	20	100	2.8	0.007	0.014	0.019
FLR730	7.3	14.1	20	100	3.3	0.006	0.012	0.015

I_H=Hold current-maximum current at which the device will not trip at 23℃ still air.
I_T=Trip current-minimum current at which the device will always trip at 23℃ still air.
V_{MAX}=Maximum voltage device can withstand without damage at its rated current.
I_{MAX}= Maximum fault current device can withstand without damage at rated voltage (V max).
Pd=Maximum power dissipated from device when in the tripped state in 23℃ still air environment.
R_{MIN}=Minimum device resistance at 23℃.
$R1_{MAX}$=Maximum device resistance at 23℃, 1 hour after tripping.
Physical specifications:
Lead material:0.13mm nominal thickness, quarter-hard nickel.
Insulating material:Polyester tape.

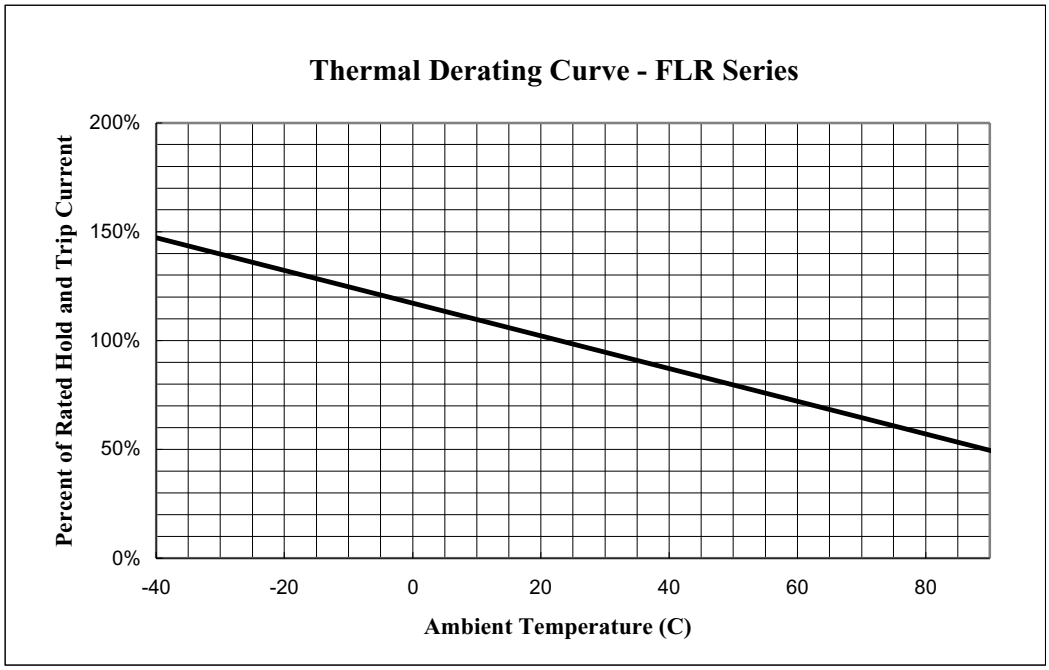
FLR Product Dimensions (Millimeters)





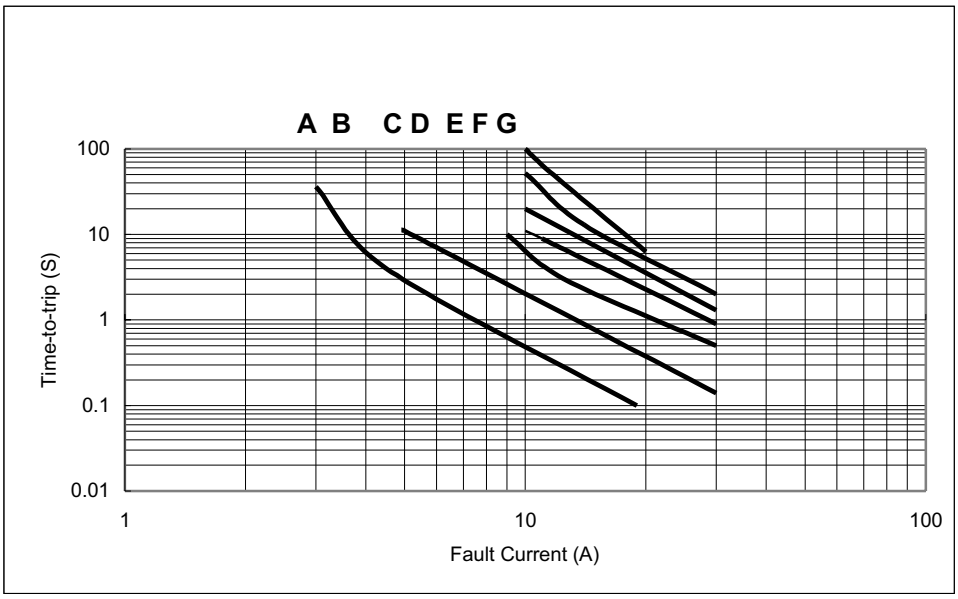
Part Number	Fig	A		B		C		D		F	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
FLR190	1	19.9	22.1	4.9	5.5	0.6	1.0	5.5	7.5	3.9	4.1
FLR190S	2	19.9	22.1	4.9	5.5	0.6	1.0	5.5	7.5	3.9	4.1
FLR260	1	20.9	23.1	4.9	5.5	0.6	1.0	4.1	5.5	3.9	4.1
FLR260S	2	20.9	23.1	4.9	5.5	0.6	1.0	4.1	5.5	3.9	4.1
FLR380	1	24.0	26.0	6.9	7.5	0.6	1.0	4.1	5.5	4.9	5.1
FLR450	1	24.0	26.0	9.9	10.5	0.6	1.0	5.3	6.7	5.9	6.1
FLR550	1	35.0	37.0	6.9	7.5	0.6	1.0	5.3	6.7	4.9	5.1
FLR600	1	24.0	26.0	13.9	14.5	0.6	1.0	4.1	5.5	5.9	6.1
FLR730	1	27.1	29.1	13.9	14.5	0.6	1.0	4.1	5.5	5.9	6.1

Thermal Derating Curve

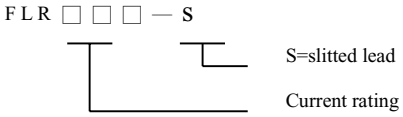


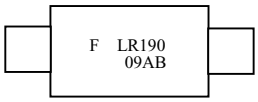
Typical Time-To-Trip at 23℃

A=FLR190/FLR190S
B=FLR260/FLR260S
C=FLR380
D=FLR450
E=FLR550
F=FLR600
G=FLR730



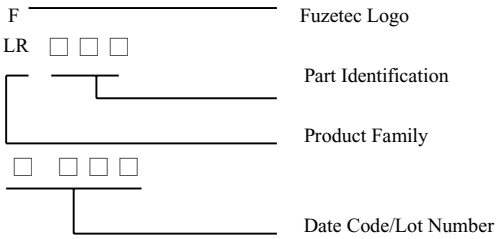
Part Numbering System





Example

Part Marking System



Standard Package

P/N	Pcs /Bag
FLR190	**2K**
FLR190S	**2K**
FLR260	**2K**
FLR260S	**2K**
FLR380	**2K**

P/N	Pcs /Bag
FLR450	**2K**
FLR550	**2K**
FLR600	**2K**
FLR730	**2K**