

Application:

Rechargeable battery packs
Lithium cell and battery packs

Product Features:

Low profile, Solid state
Operation Current: 0.7A~3.4 A
Maximum Voltage: 24V
Temperature Range: -40°C to 85°C
Agency Approvals:UL(E211981)

C-UL(E211981)

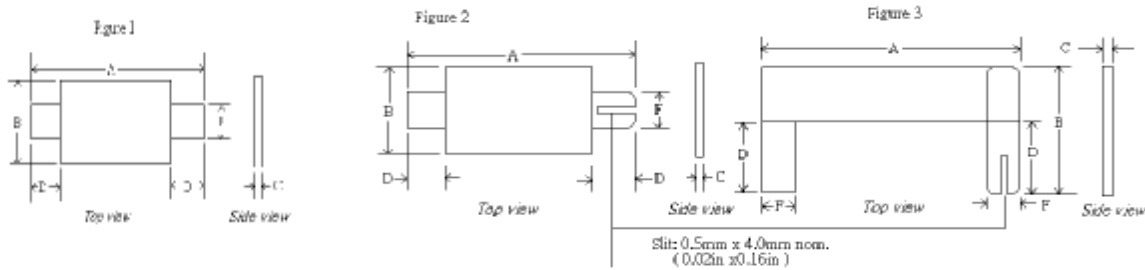
TUV (R3-50004084)

Electrical Characteristics(23°C)

Part Number	Hold Current I_H, A	Trip Current I_T, A	Rated Voltage V_{MAX}, V_{dc}	Maximum Current I_{MAX}, A	Typical Power P_d, W	Resistance Tolerance		
						R_{MIN} Ω	R_{MAX} Ω	R_{1MAX} Ω
FLT070	0.7	1.5	15	100	1.1	0.100	0.200	0.340
FLT070S	0.7	1.5	15	100	1.1	0.100	0.200	0.340
FLT100	1.00	2.5	24	100	1.5	0.070	0.130	0.260
FLT100S	1.00	2.5	24	100	1.5	0.070	0.130	0.260
FLT180	1.8	3.8	24	100	2.0	0.040	0.068	0.120
FLT180S	1.8	3.8	24	100	2.0	0.040	0.068	0.120
FLT190	1.9	4.2	24	100	1.9	0.030	0.057	0.100
FLT190RU	1.9	4.2	15	100	2.0	0.030	0.057	0.100
FLT260	2.6	5.2	24	100	2.3	0.025	0.042	0.076
FLT300	3.0	6.3	24	100	2.0	0.015	0.031	0.055
FLT310	3.1	6.0	24	100	2.5	0.018	0.030	0.055
FLT340	3.4	6.8	24	100	2.7	0.016	0.027	0.050

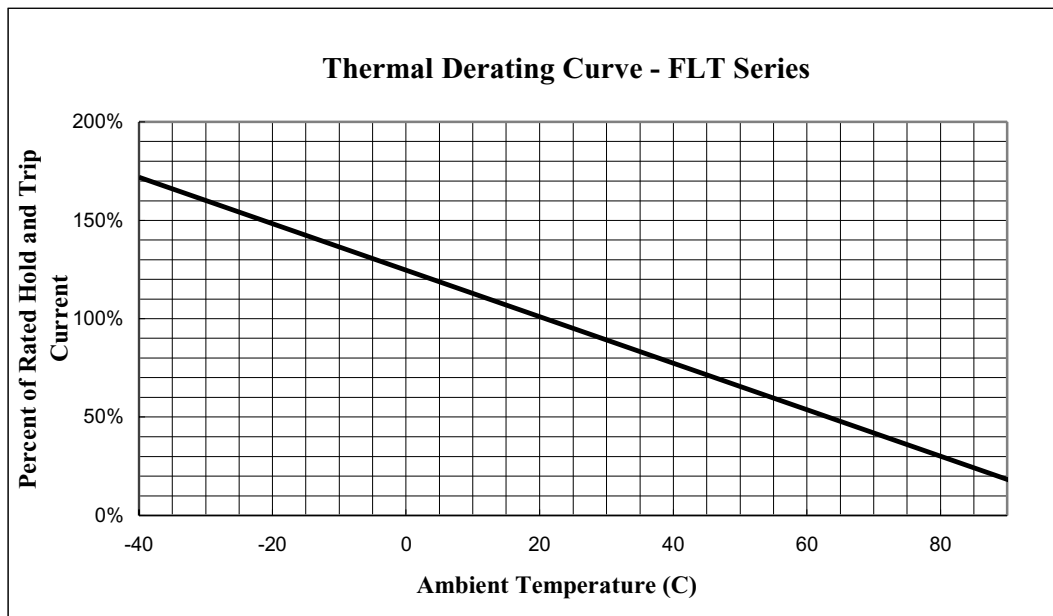
I_H =Hold current-maximum current at which the device will not trip at 23°C still air.
 I_T =Trip current-minimum current at which the device will always trip at 23°C still air.
 V_{MAX} =Maximum voltage device can withstand without damage at its rated current.
 I_{MAX} = Maximum fault current device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

FLT Product Dimensions (Millimeters)



Part Number	Fig	A		B		C		D		F	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
FLT070	1	19.9	22.1	4.9	5.2	0.7	1.2	5.5	7.5	3.9	4.1
FLT070S	2	19.9	22.1	4.9	5.2	0.7	1.2	5.5	7.5	3.9	4.1
FLT100	1	20.9	23.1	4.9	5.2	0.6	1.0	4.1	5.5	3.9	4.1
FLT100S	2	20.9	23.1	4.9	5.2	0.6	1.0	4.1	5.5	3.9	4.1
FLT180	1	24.0	26.0	4.9	5.2	0.6	1.0	4.1	5.5	3.9	4.1
FLT180S	2	24.0	26.0	4.9	5.2	0.6	1.0	4.1	5.5	3.9	4.1
FLT190	1	21.3	23.4	10.2	11.0	0.5	1.1	5.0	7.6	4.8	5.4
FLT190RU	3	19.8	20.8	13.3	14.3	0.4	0.8	8.1	9.5	3.8	4.2
FLT260	1	24.0	26.0	10.8	11.9	0.6	1.0	5.0	7.0	5.9	6.1
FLT300	1	28.4	31.8	13.0	13.5	0.5	1.1	6.3	8.9	6.0	6.6
FLT310	1	24.0	26.0	14.8	15.9	0.6	1.0	5.0	7.0	5.9	6.1
FLT340	1	24.0	26.0	14.8	15.9	0.6	1.0	4.0	5.0	5.9	6.1

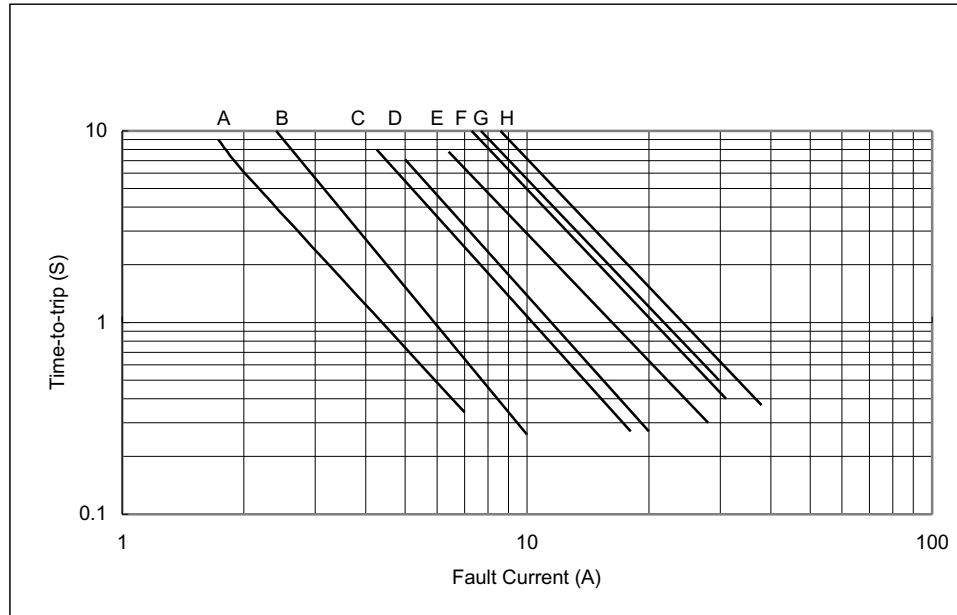
Thermal Derating Curve



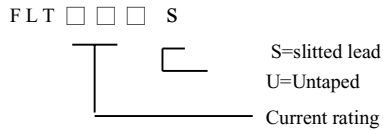


Typical Time-To-Trip at 23°C

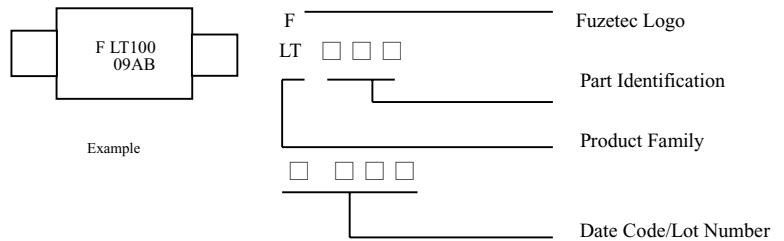
- A=FLT070/FLT070S
- B=FLT100/FLT100S
- C=FLT180/FLT180S
- D=FLT190/FLT190RU
- E=FLT260
- F=FLT300
- G=FLT310
- H=FLT340



Part Numbering System



Part Marking System



Standard Package

P/N	Pcs /Bag
FLT070	2K
FLT070S	2K
FLT100	2K
FLT100S	2K
FLT180	2K
FLT180S	2K

P/N	Pcs /Bag
FLT190	2K
FLT190RU	2K
FLT260	2K
FLT300	2K
FLT310	2K
FLT340	2K