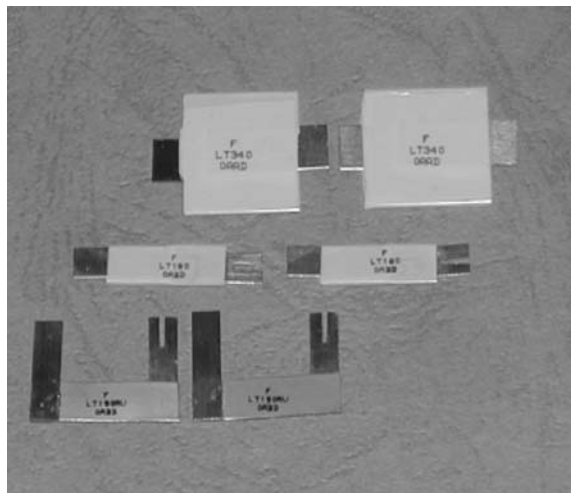


Axial Leaded PTC FLT Series



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 Recognition: UL(E211981)

C-UL(E211981)

TÜV (R3-50004084)

Electrical Characteristics(23°C)

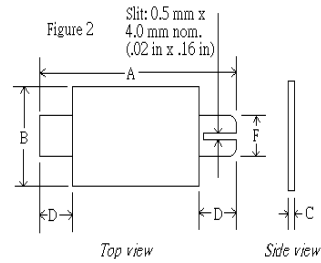
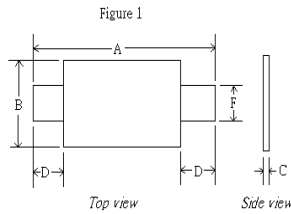
Part Number	Hold Current I _H , A	Trip Current I _T , A	Rated Voltage V _{MAX} , Vdc	Maximum Current I _{MAX} , A	Typical Power Pd, w	Resistance Tolerance		
						R _{MIN} Ω	R _{MAX} Ω	R _{1MAX} Ω
FLT070	0.7	1.5	24	100	1.1	0.100	0.200	0.340
FLT070S	0.7	1.5	24	100	1.1	0.100	0.200	0.340
FLT100	1.0	2.5	24	100	1.5	0.070	0.130	0.260
FLT100S	1.0	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
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).
Pd=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.

Axial Leaded PTC FLT Series

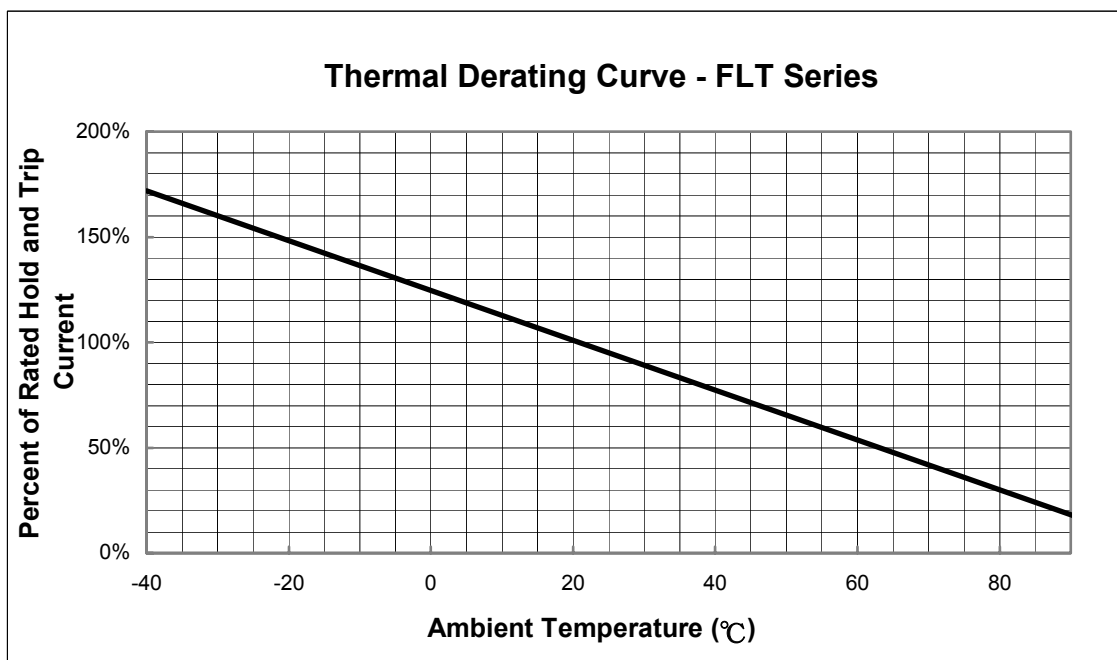


FLT Product Dimensions (Millimeters)



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
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

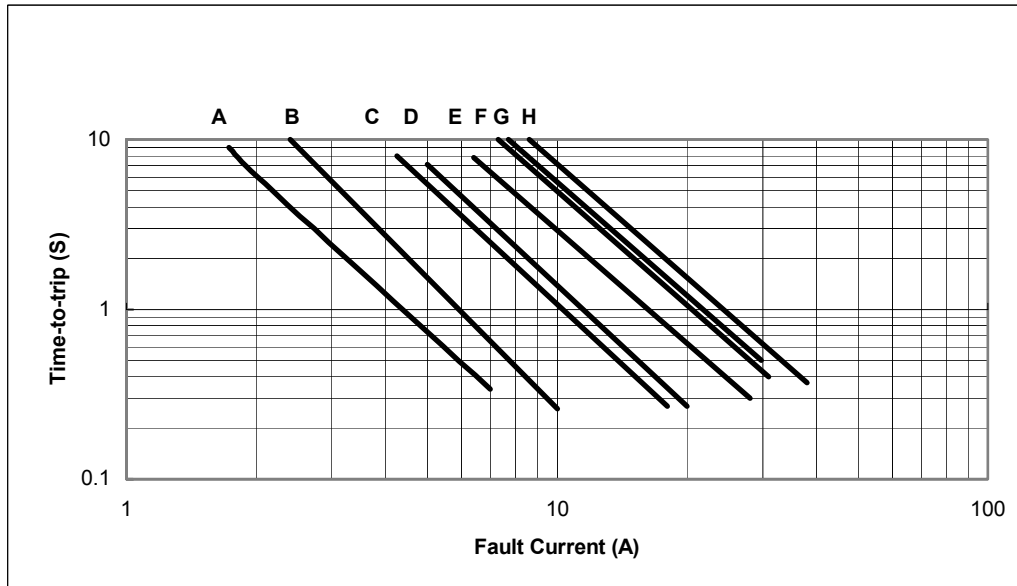


Axial Leaded PTC FLT Series



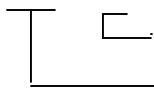
Typical Time-To-Trip at 23°C

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

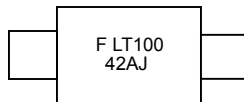


Part Numbering System

FLT □ □ □ S

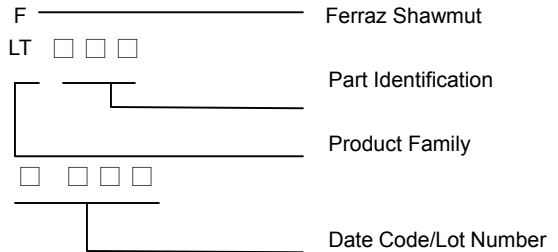


S=slitted lead
U=Untaped
Current rating



Example

Part Marking System



Standard Package

P/N	Pcs /Bag
FLT070	1K
FLT070S	1K
FLT100	1K
FLT100S	1K
FLT180	1K
FLT180S	1K

P/N	Pcs /Bag
FLT190	500
FLT260	500
FLT300	500
FLT310	500
FLT340	500

- Warning:**
- Operation beyond the specified maximum ratings or improper use may result in damage and possible electrical arcing and/or flame.
 - PPTC device are intended for occasional overcurrent protection. Application for repeated overcurrent condition and/or prolonged trip are not anticipated.
 - Avoid contact of PPTC device with chemical solvent. Prolonged contact will damage the device performance.

