

**FEATURES**

- Low profile, Solid state
- Application: Rechargeable battery packs, Lithium cell and battery packs
- Operation Current: 1.2A ~ 4.2A
- Maximum Voltage: 15V&30V
- Temperature Range: -40°C to 85°C

**AGENCY RECOGNITION**

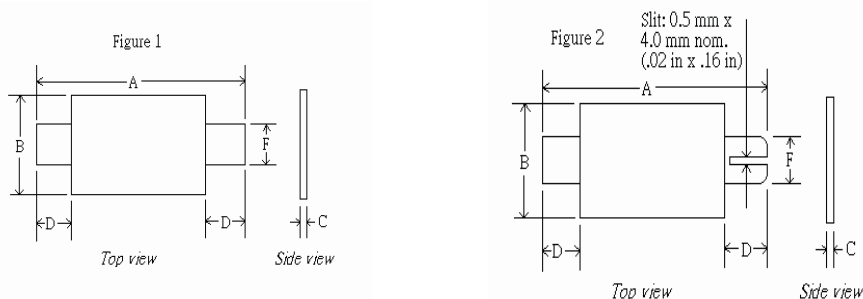
- UL (E211981)
- TÜV (R3-50004084)

**ELECTRICAL CHARACTERISTICS (23°C)**

Part Number	Fig	Hold Current I <sub>H</sub> , A	Trip Current I <sub>T</sub> , A	Maximum time to trip at 5xI <sub>H</sub> , sec	Maximum Current I <sub>MAX</sub> , A	Rated Voltage V <sub>MAX</sub> , Vdc	Typical Power P <sub>d</sub> , W	Resistance Tolerance		
								R <sub>MIN</sub>	R <sub>MAX</sub>	R <sub>1MAX</sub>
								OHMS	OHMS	OHMS
FSR120F	1	1.2	2.7	5.0	100	15	1.2	0.850	0.160	0.220
FSR175F	1	1.75	3.8	5.0	100	15	1.5	0.050	0.090	0.120
FSR200F	1	2.0	4.4	4.0	100	30	1.9	0.030	0.060	0.100
FSR350F	1	3.5	6.3	3.0	100	30	2.5	0.017	0.031	0.050
FSR420F	1	4.2	7.6	6.0	100	30	2.9	0.012	0.024	0.040

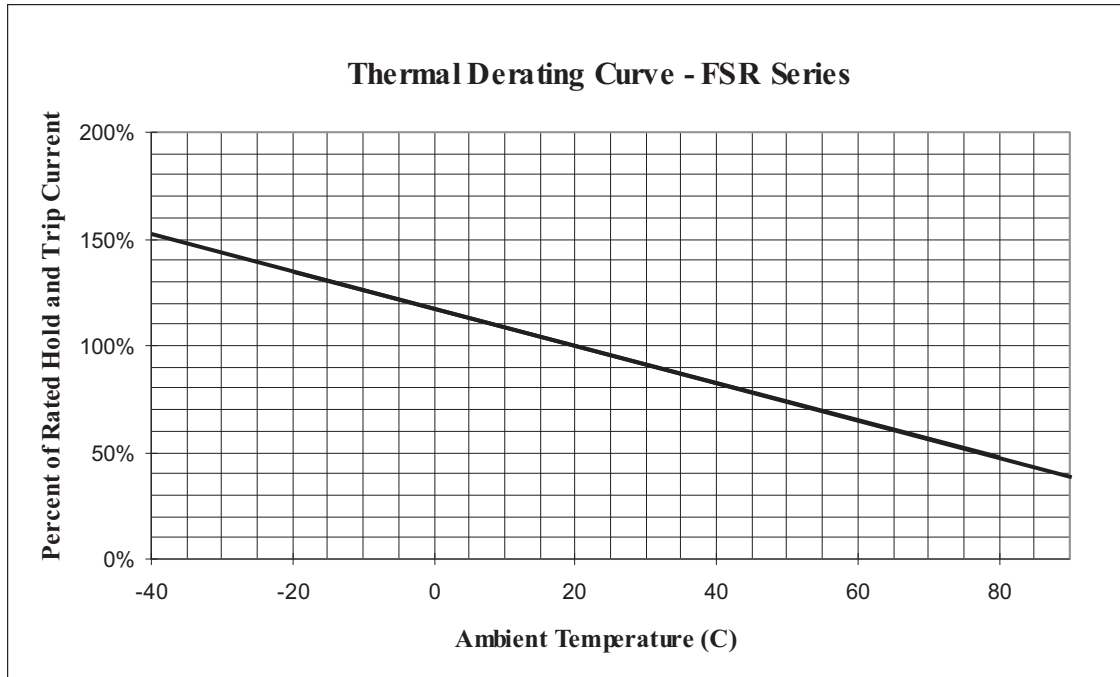
I<sub>H</sub>=Hold current-maximum current at which the device will not trip at 23°C still air.  
 I<sub>T</sub>=Trip current-maximum current at which the device will always trip at 23°C still air.  
 V<sub>MAX</sub>=Maximum voltage device can withstand without damage at its rated current.  
 I<sub>MAX</sub>=Maximum fault current device can withstand without damage at rated voltage (V<sub>MAX</sub>).  
 P<sub>d</sub>=Typical power dissipated from device when in the tripped state in 23°C still air environment.  
 R<sub>MIN</sub>=Minimum device resistance at 23°C.  
 R<sub>1MAX</sub>=Maximum device resistance at 23°C, 1 hour after tripping.  
 Physical specifications:  
 Lead materials: 0.13mm nominal thickness, quarter-hard nickel.  
 Insulating material: Polyester tape.

**FSR PRODUCT DIMENSIONS (MILLIMETERS)**

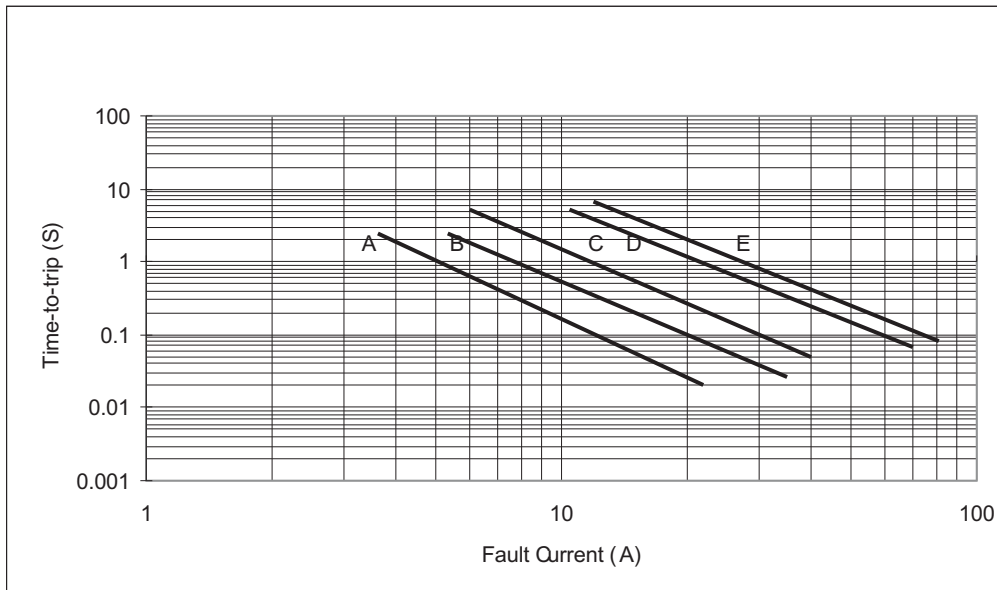


Part Number	Fig	A		B		C		D		F	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
FSR120F	1	19.9	22.1	4.9	5.2	0.6	1.0	5.5	7.5	3.9	4.1
FSR175F	1	20.9	23.1	4.9	5.2	0.6	1.0	4.1	5.5	3.9	4.1
FSR200F	1	21.3	23.4	10.2	11.0	0.5	1.1	5.0	7.6	4.8	5.4
FSR350F	1	28.4	31.8	13.0	13.5	0.5	1.1	6.3	8.9	6.0	6.6
FSR420F	1	30.6	32.4	12.9	13.6	0.5	1.1	5.0	7.5	6.0	6.7

■ THERMAL DERATING CURVE



■ TYPICAL TIME-TO-TRIP AT 23°C



- A = FSR120F
- B = FSR175F
- C = FSR200F
- D = FSR350F
- E = FSR420F

NOTE: All specification subject to change without notice.