

■ **FEATURES**

- Applications : Laptop Computer, Rechargeable battery packs, Lithium Cell and battery packs
- Product Features : Low profile, Solid state,
- Operation Current: 1.2A ~ 4.2A
- Maximum Voltage: 15Vdc ~ 30Vdc
- Temperature Range: -40°C to 85°C

■ **AGENCY RECOGNITION**

Made for RFE by UL shop Fuzetec

- UL (E211981)
- C-UL (E211981)
- TÜV (R50004084)

■ **ELECTRICAL CHARACTERISTICS (23°C)**

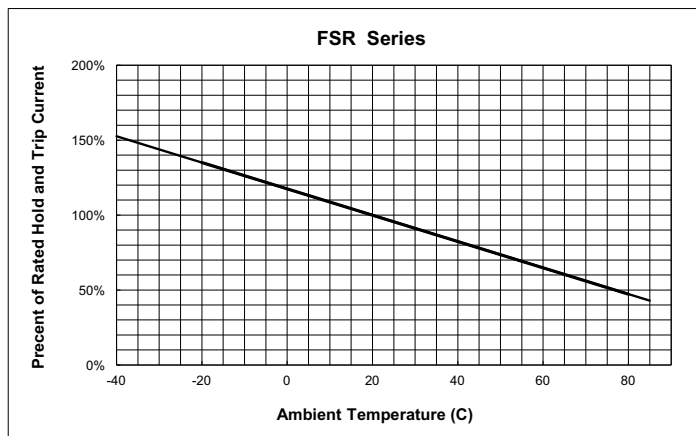
Part Number	Hold Current	Trip Current	Max. Time to Trip	Rated Voltage	Maximum Current	Typical Power	Resistance		
							R min	R max	R1 max
	I <sub>H</sub> , A	I <sub>T</sub> , A	at 5 x I <sub>H</sub> , s	V <sub>MAX</sub> , Vdc	I <sub>MAX</sub> , A	P <sub>d</sub> , W	Ohms	Ohms	Ohms
FSR120F	1.20	2.70	5	15	100	1.2	0.085	0.160	0.220
FSR175F	1.75	3.80	5	15	100	1.5	0.050	0.090	0.120
FSR200F	2.00	4.40	4	30	100	1.9	0.030	0.060	0.100
FSR350F	3.50	6.30	3	30	100	2.5	0.017	0.031	0.050
FSR420F	4.20	7.60	6	30	100	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.  
 R1<sub>MAX</sub>=Maximum device resistance at 23°C, 1 hour after tripping.

Physical specifications:

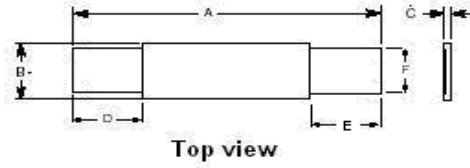
- Lead material: 0.13mm nominal thickness, quarter-hard nickel.
- Insulating material: Polyester tape

■ **THERMAL DERATING CURVE**



NOTE: All Specifications subject to change without notice.

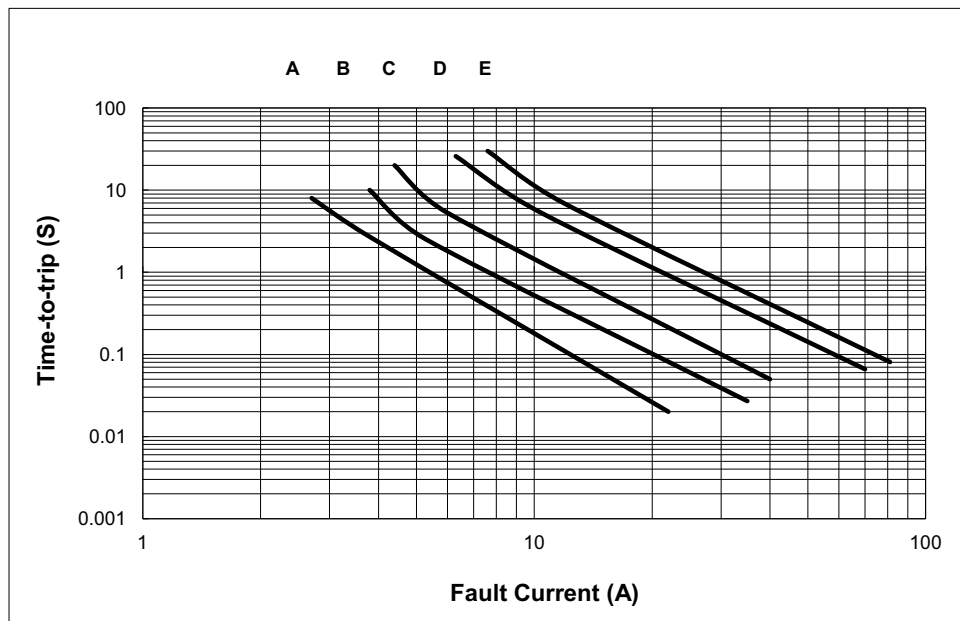
■ **DIMENSIONS (mm)**



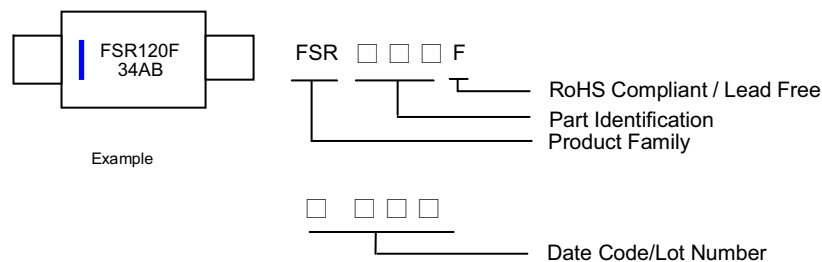
Part Number	A		B		C		D		F	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
FSR120F	19.90	22.10	4.90	5.20	0.60	1.00	5.50	7.50	3.90	4.10
FSR175F	20.90	23.10	4.90	5.20	0.60	1.00	4.10	5.50	3.90	4.10
FSR200F	21.30	23.40	10.20	11.00	0.50	1.10	5.00	7.60	4.80	5.40
FSR350F	28.40	31.80	13.00	13.50	0.50	1.10	6.30	8.90	5.90	6.10
FSR420F	30.60	32.40	12.90	13.60	0.50	1.10	5.00	7.50	5.90	6.10

■ **TYPICAL TIME-TO-TRIP AT 23°C**

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



■ **MARKING SYSTEM**



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