

■ **FEATURES**

- Applications : Laptop Computer, Rechargeable battery packs, Lithium Cell and battery packs
- Product Features : Low profile, Solid state,
- Operation Current: 1.7A ~ 2.3A
- Maximum Voltage: 12Vdc
- 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)**

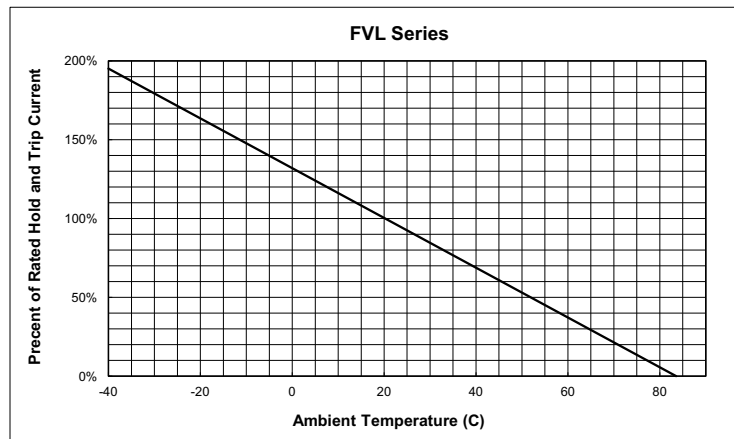
Part Number	Hold Current	Trip Current	Max. Time to Trip	Rated Voltage	Maximum Current	Typical Power	Resistance		
	I _H , A	I _T , A	at 5 x I _H , s	V _{MAX} , Vdc	I _{MAX} , A	P _d , W	R min Ohms	R max Ohms	R1 max Ohms
FVL170F	1.70	4.10	5	12	100	1.4	0.018	0.032	0.064
FVL175F	1.75	4.20	5	12	100	1.4	0.017	0.031	0.062
FVL230F	2.30	5.00	5	12	100	1.4	0.012	0.018	0.036

I_H=Hold current-maximum current at which the device will not trip at 23°C still air.
 I_T=Trip current-maximum 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=Typical 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:

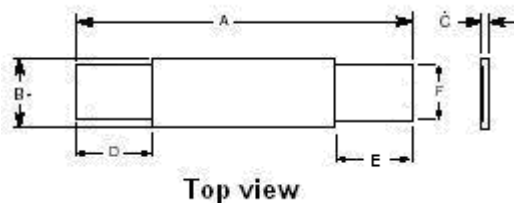
Lead material: 0.1mm nominal thickness, quarter-hard nickel.
 Insulating material: Polyester tape

■ **THERMAL DERATING CURVE**



NOTE: All Specifications subject to change without notice.

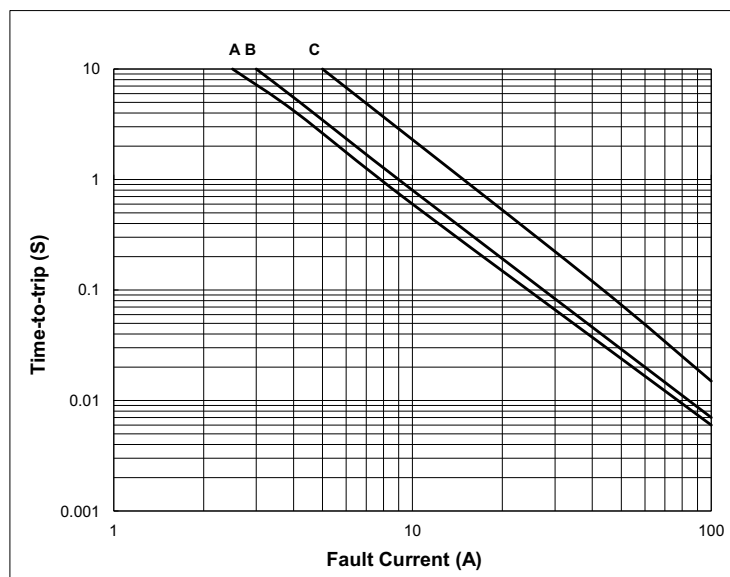
■ **DIMENSIONS (mm)**



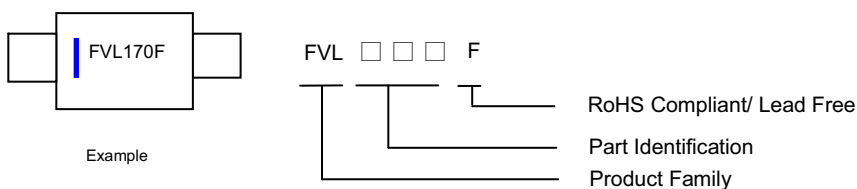
Part Number	A		B		C		D		E		F	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
FVL170F	20.80	23.20	3.50	3.90	0.50	0.80	4.50	6.50	4.50	6.50	2.40	2.60
FVL175F	23.00	24.50	2.90	3.30	0.50	0.80	4.70	7.20	3.80	5.40	2.40	2.60
FVL230F	20.90	23.10	4.90	5.30	0.50	0.80	4.10	5.80	4.10	5.80	3.90	4.10

■ **TYPICAL TIME-TO-TRIP AT 23°C**

A= FVL170F
B= FVL175F
C= FVL230F



■ **MARKING SYSTEM**



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