

■ **FEATURES**

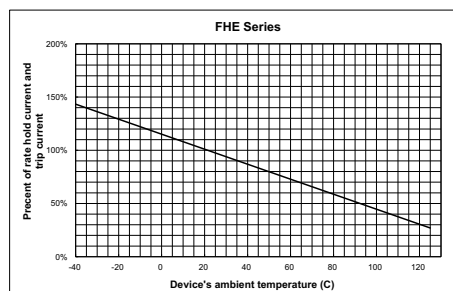
- Applications : Wide variety of electronic equipment
- Product Features : Very Low resistance, Very High hold current, Solid state, Operating temperatures up to 125°C
- Operation Current: 0.50A ~ 10.0A
- Maximum Voltage: 32Vdc
- Temperature Range: -40°C to 125°C

■ **AGENCY RECOGNITION**

Made for RFE by UL shop Fuzetec

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

■ **THERMAL DERATING CURVE**



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

Part Number	Hold Current I _H , A	Trip Current I _T , A	Max. Time to Trip at 5 x I _H , S	Maximum Current I _{MAX} , A	Rated Voltage V _{MAX} , Vdc	Typical Power P _d , W	Resistance	
							R min	R1 max
							Ohms	Ohms
FHE050-32F	0.5	1.0	3.0	100	32	0.9	0.3500	1.1000
FHE070-32F	0.7	1.4	3.2	100	32	1.4	0.2300	0.8000
FHE100-32F	1.0	1.9	6.2	100	32	1.4	0.1500	0.4300
FHE200-32F	2.0	4.0	5.5	100	32	2.2	0.0650	0.2500
FHE300-32F	3.0	6.0	5.0	100	32	3.2	0.0350	0.1100
FHE500-32F	5.0	10.0	9.0	100	32	5.3	0.0150	0.0400
FHE750-32F	7.5	15.0	13.0	100	32	6.5	0.0074	0.0230
FHE1000-32F	10.0	20.0	15.0	100	32	7.0	0.0060	0.0160

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.
 R1_{MAX}=Maximum device resistance at 23°C, 1 hour after tripping.

Physical specifications:
 Lead material: FHE050-32F ~ FHE100-32F Tin plated copper, 24 AWG.
 FHE200-32F ~ FHE750-32F Tin plated copper, 20 AWG
 FHE1000-32F Tin plated copper, 18 AWG
 Soldering characteristics: MIL-STD-202, Method 208E.
 Insulating coating: Flame retardant epoxy, meet UL-94V-0 requirement.

NOTE: All Specifications subject to change without notice.

■ **DIMENSIONS (mm)**

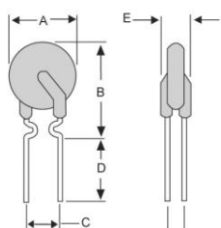


Fig.1
Lead Size: 24AWG
Φ0.51 mm Diameter

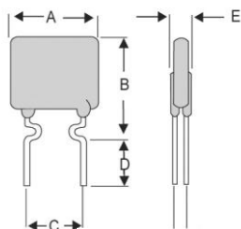


Fig.2
Lead Size: 24AWG
Φ0.51 mm Diameter

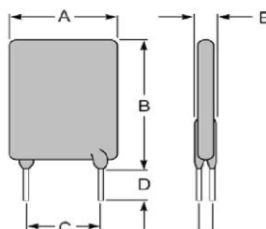


Fig.3
Lead Size: 20AWG
Φ0.81 mm Diameter

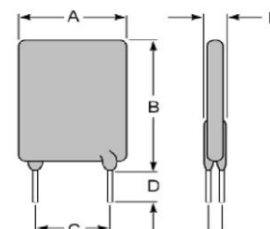
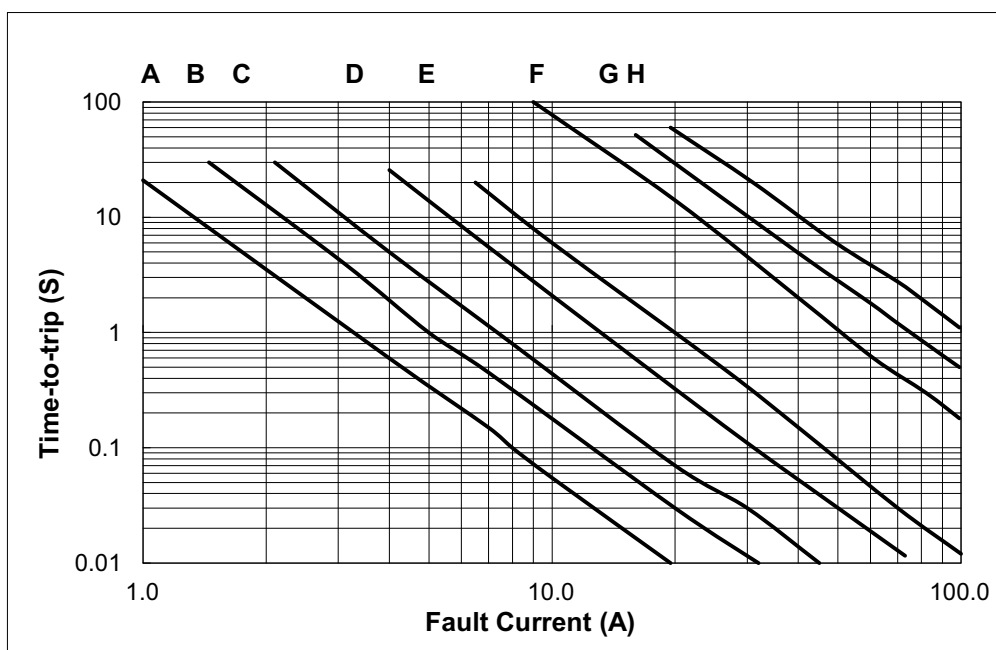


Fig.4
Lead Size: 18AWG
Φ1.00 mm Diameter

Part Number	Fig.	A	B	C	D	E
		Maximum	Maximum	Typical	Minimum	Maximum
FHE050-32F	1	7.4	12.7	5.1	7.6	3.3
FHE070-32F	2	6.9	10.8	5.1	7.6	3.0
FHE100-32F	1	9.7	13.6	5.1	7.6	3.0
FHE200-32F	3	9.5	13.5	5.1	7.6	3.0
FHE300-32F	3	10.2	15.5	5.1	7.6	3.8
FHE500-32F	3	14.0	24.1	5.1	7.6	3.8
FHE750-32F	3	21.1	24.9	10.2	7.6	3.8
FHE1000-32F	4	23.5	27.9	10.2	7.6	4.0

■ **TYPICAL TIME-TO-TRIP AT 23°C**

A=FHE050-32F
B=FHE070-32F
C=FHE100-32F
D=FHE200-32F
E=FHE300-32F
F=FHE500-32F
G=FHE750-32F
H=FHE1000-32F



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