

### FEATURES

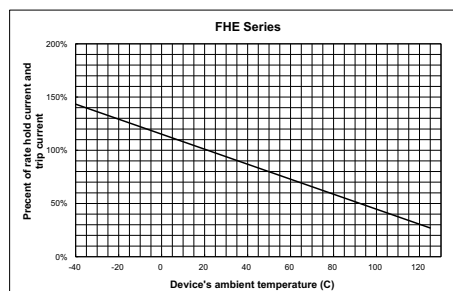
- Applications : Wide variety of electronic equipment
- Product Features : Very Low resistance, Very High hold current, Solid state, Operating temperatures up to 125°C
- Operation Current: 0.50A ~ 10.0A
- Maximum Voltage: 32Vdc
- Temperature Range: -40°C to 125°C

### AGENCY RECOGNITION

Made for RFE by UL shop Fuzetec

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

### THERMAL DERATING CURVE



### ELECTRICAL CHARACTERISTICS (23°C)

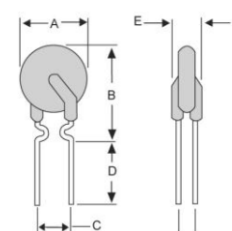
Part Number	Hold Current I <sub>H</sub> , A	Trip Current I <sub>T</sub> , A	Max. Time to Trip at 5 x I <sub>H</sub> , S	Maximum Current I <sub>MAX</sub> , A	Rated Voltage V <sub>MAX</sub> , Vdc	Typical Power P <sub>d</sub> , W	Resistance	
							R min	R1 max
							Ohms	Ohms
FHE050-32F	0.5	1.0	3.0	100	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<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.

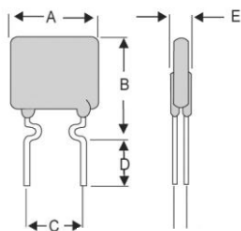
Physical specifications:  
 Lead material: FHE050-32F ~ FHE100-32F Tin plated copper, 24 AWG.  
 FHE200-32F ~ FHE750-32F Tin plated copper, 20 AWG  
 FHE1000-32F Tin plated copper, 18 AWG  
 Soldering characteristics: MIL-STD-202, Method 208E.  
 Insulating coating: Flame retardant epoxy, meet UL-94V-0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

NOTE: All Specifications subject to change without notice.

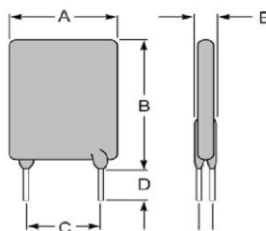
■ **DIMENSIONS (mm)**



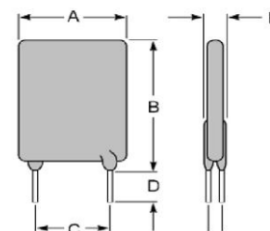
**Fig.1**  
Lead Size: 24AWG  
Φ0.51 mm Diameter



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



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

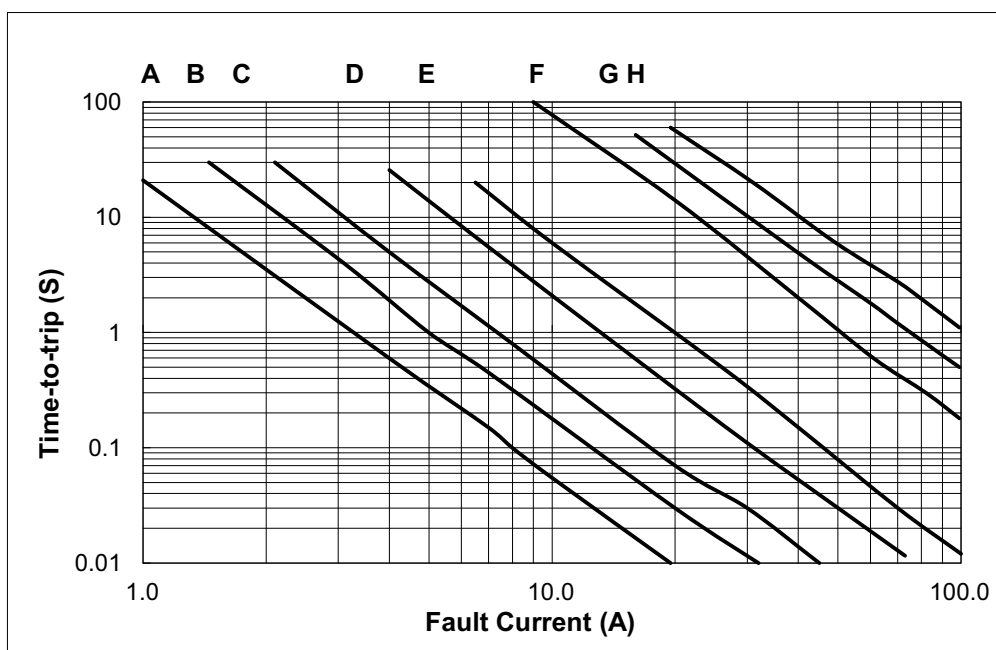


**Fig.4**  
Lead Size: 18AWG  
Φ1.00 mm Diameter

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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