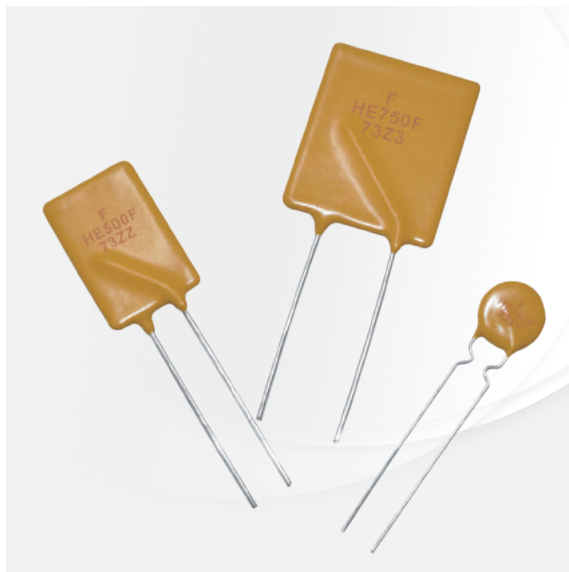


# Radial Leaded PPTC

## FHE Series



### Application

Wide variety of electronic equipment

### Product Features

Very Low resistance, Very High hold current, Solid state, Radial leaded product ideal for up to 32V and Operating temperatures up to 125°C.



### Operation Current

0.50A~10.00A

### Maximum Voltage

32V



### Temperature Range

-40°C to 125°C

### Agency Recognition

AGENCY	AGENCY FILE NUMBER
	UL(E211981)
	C-UL(E211981)
	TÜV (R50004084)



### Electrical Characteristics (23°C)

Part Number	Hold Current $I_H$ , A	Trip Current $I_T$ , A	Max. Time to trip at $5xI_H$ , s	Max. Current $I_{MAX}$ , A	Rated Voltage $V_{MAX}$ , V <sub>DC</sub>	Typ. Power $P_d$ , W	Resistance	
							$R_{MIN}$ Ohms	$R1_{MAX}$ 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

### Thermal Derating for PPTC Device at Various Ambient Temperatures

TEMPERATURE	-40°C	-20°C	0°C	23°C	30°C	40°C	50°C	60°C	70°C	85°C	125°C
DERATING %	143%	130%	115%	100%	92%	88%	80%	72%	65%	55%	28%

### 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

