

# POLYMER PTC RESETTABLE FUSE

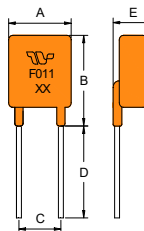


Part Number: TRF011Z

## 1、Physical Dimensions

Unit:mm

Part Number	A	B	C	D	E	Lead
	Max	Max	TYP	Nor	Max	Φ
TRF011Z	6.5	11.0	5.1	10±2	4.5	0.60



Logo  
 F 011 Holding Current  
 Max.Interrupt voltage  
 XX Lot No.

## 2、Electrical Characteristics

Part Number	I <sub>H</sub> (A)	I <sub>T</sub> (A)	V <sub>max</sub> OP V <sub>dc</sub>	I <sub>max</sub> (A)	V <sub>max</sub> Interrupt V <sub>rms</sub>	T <sub>trip</sub> (Max time to trip)		Pd <sub>typ</sub> (W)	R <sub>min</sub> (Ω)	R <sub>max</sub> (Ω)	R1 <sub>max</sub> (Ω)
						Current(A)	Time(S)				
TRF011Z	0.110	0.220	60	3.0	250	1.0	2.0	1.0	6.0	12.0	18.0

I<sub>H</sub>: Holding Current: maximum current at which the device will not trip in 25°C still air.

I<sub>T</sub>: Tripping Current minimum current at which the device will trip in 25°C still air.

V<sub>max</sub>: Maximum voltage device can withstand without damage at rated current.

I<sub>max</sub>: Maximum fault current device can withstand without damage at rated voltage.

T<sub>trip</sub>: Maximum time to trip(s) at assigned current.

Pd<sub>typ</sub>: Rated working power.

R<sub>min</sub>: Minimum resistance of device prior to trip at 25°C.

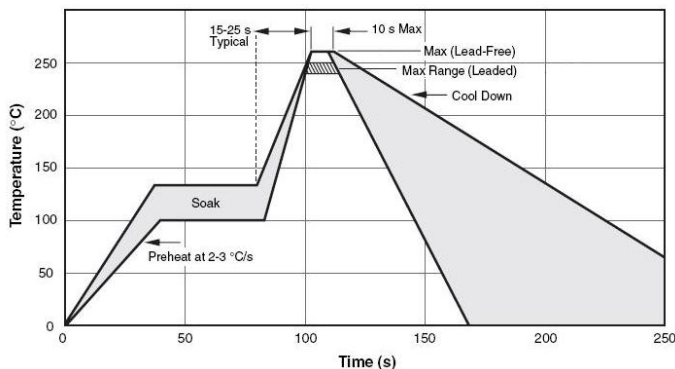
R<sub>max</sub>: Maximum resistance of device prior to trip at 25°C.

R1<sub>max</sub>: Maximum resistance of device is measured one hours post reflow at 25°C.

## 3、Thermal Derating

Part Number	Ambient Operating Temperature								
	-40°C	-20°C	0°C	25°C	40°C	50°C	60°C	70°C	85°C
TRF011Z	0.171	0.151	0.131	0.110	0.091	0.081	0.071	0.061	0.046

## 4、Wave Soldering Parameters



Profile Feature	Condition
Average Ramp-Up Rate (T <sub>smax</sub> to TP)	4°C/second max.
Preheat	
-Temperature Min (T <sub>smin</sub> )	100°C
-Temperature Max (T <sub>smax</sub> )	125°C
-Time (T <sub>smin</sub> to T <sub>smax</sub> )	60-180 seconds
Peak Temperature (TP)	265°C
Max Time at Peak Temperature (tP)	5 seconds
Ramp-Down Rate	6 °C /second max.
Time 25°C to Peak Temperature	5 minutes max.
Storage Condition	0°C ~35°C, ≦ 70%RH, 2 Years

## 5、Package Information

Packing quantity:1000pcs/bag

Tape and Reel : 1500 pcs/reel

Tape and Reel Specifications: Devices taped using EIA468-B/IEC286-2 standards.

## 6、Agency Recognition: TUV



Caution:Operation beyond the rated voltage or current may result in rupture electrical arcing or flame.Specifications are subject to change without notice.

TEL: 86-0769-3892 0554

FAX: 86-0769-8793 2077

E-mail:sales@tlcet.com.cn

Address:No.18,5th GaoLi Road,TangXia Town,DongGuan,GuangDong,P.R China 523710