

# POLYMER PTC RESETTABLE FUSE

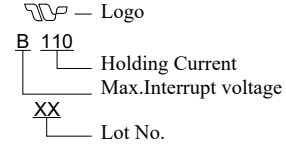
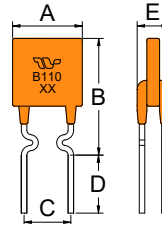


Part Number: TRB110F

## 1、 Physical Dimensions

Unit:mm

Part Number	A	B	C	D	E	Lead
	Max	Max	TYP	Min	Max	Φ
TRB110F	6.0	14.5	5.1	7.6	3.1	0.50



## 2、 Electrical Characteristics

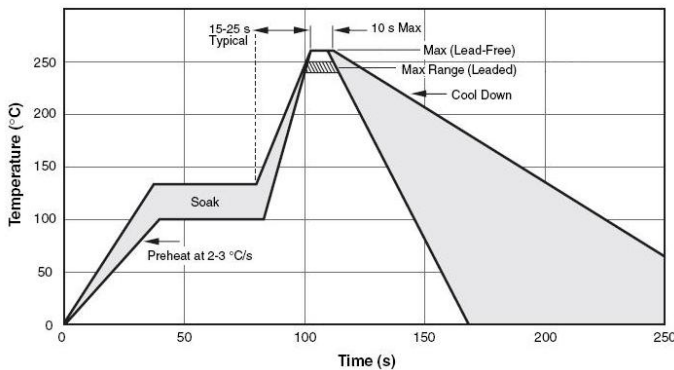
Part Number	I <sub>H</sub> (A)	I <sub>T</sub> (A)	V <sub>max</sub> (V)	I <sub>max</sub> (A)	T <sub>trip</sub> (Max time to trip)		Pd <sub>typ</sub> (W)	R <sub>min</sub> (Ω)	R <sub>max</sub> (Ω)	R1 <sub>max</sub> (Ω)
					Current(A)	Time(S)				
TRB110F	1.10	2.20	30	40	5.50	6.6	0.70	0.06	0.16	0.26

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
TRB110F	1.60	1.43	1.27	1.10	0.91	0.85	0.75	0.67	0.57

## 4、 Wave Soldering Parameters



Profile Feature	Condition
Average Ramp-Up Rate (T <sub>max</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 (t <sub>P</sub> )	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 : 2000 pcs/reel

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

## 6、 Agency Recognition:



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

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