

# POLYMER PTC RESETTABLE FUSE

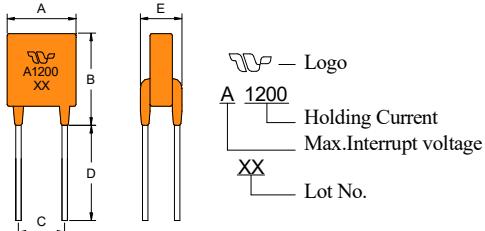


Part Number: TRA1200

## 1、Physical Dimensions

Unit:mm

Part Number	A	B	C	D	E	Lead
	Max	Max	TYP	Min	Max	$\Phi$
TRA1200	20.8	29.8	10.2	7.6	3.1	0.80



## 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)		P <sub>d typ</sub> (W)	R <sub>min</sub> ( $\Omega$ )	R <sub>max</sub> ( $\Omega$ )	R <sub>1 max</sub> ( $\Omega$ )
					Current(A)	Time(S)				
TRA1200	12.0	24.0	16	100	60.0	15.0	4.2	0.002	0.009	0.012

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.

P<sub>d typ</sub>: Rated working power.

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

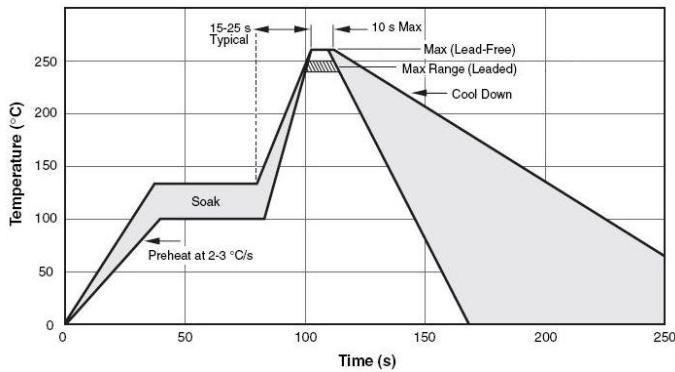
R<sub>max</sub>: Maximum resistance of device prior to trip at 25°C.

R<sub>1 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
TRA1200	17.34	15.45	13.74	12.00	9.84	9.12	8.04	7.26	6.21

## 4、Wave Soldering Parameters



Profile Feature	Condition
Average Ramp-Up Rate (Tsmax to TP)	4°C/second max.
Preheat	
-Temperature Min (Tsmin)	100°C
-Temperature Max (Tsmax)	125°C
-Time (Tsmin to Tsmax)	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: 200pcs/bag

## 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.

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