

POLYMER PTC RESETTABLE FUSE

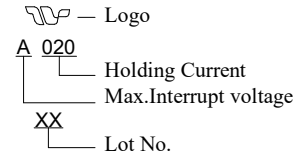
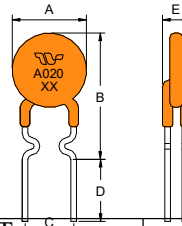


Part Number: TRA020-1

1、Physical Dimensions

Unit:mm

Part Number	A	B	C	D	E	Lead
	Max	Max	TYP	NOR	Max	Φ
TRA020-1	5.70	10.50	5.10	10±1	3.10	0.50



2、Electrical Characteristics

Part Number	I _H (A)	I _T		V _{max} (V)	I _{max} (A)	T _{trip} (Max time to trip)		Pd _{typ} (W)	R _{min} (Ω)	R _{max} (Ω)	R1 _{max} (Ω)
		Current(A)	Time(S)			Current(A)	Time(S)				
TRA020-1	0.20	0.40	100	16	40	1.0	3.0	0.36	1.00	1.600	2.200

I_H: Holding Current: maximum current at which the device will not trip in 25°C still air.

I_T: Tripping Current minimum current at which the device will trip in 25°C still air.

V_{max}: Maximum voltage device can withstand without damage at rated current.

I_{max}: Maximum fault current device can withstand without damage at rated voltage.

T_{trip}: Maximum time to trip(s) at assigned current.

Pd_{typ}: Rated working power.

R_{min}: Minimum resistance of device prior to trip at 25°C.

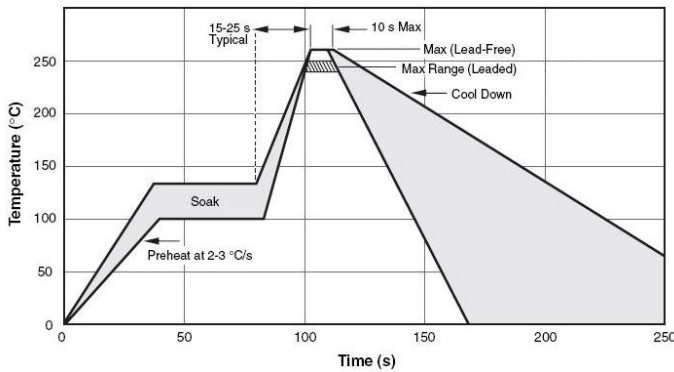
R_{max}: Maximum resistance of device prior to trip at 25°C.

R1_{max}: 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
TRA020-1	0.32	0.28	0.25	0.20	0.16	0.14	0.12	0.10	0.07

4、Wave Soldering Parameters



Profile Feature	Condition
Average Ramp-Up Rate (T _{soak} to TP)	4°C/second max.
Preheat	
-Temperature Min (T _{soak} min)	100°C
-Temperature Max (T _{soak} max)	125°C
-Time (T _{soak} min to T _{soak} max)	60-180 seconds
Peak Temperature (TP)	265°C
Max Time at Peak Temperature (t _P)	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: 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