

POLYMER PTC RESETTABLE FUSE

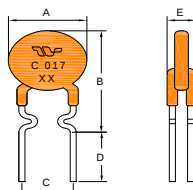


Part Number:TRC017

1、Physical Dimensions

Unit:mm

Part Number	A	B	C	D	E	Lead
	Max	Max	TYP	Min	Max	Φ
TRC017	7.4	12.7	5.1	7.6	3.1	0.50



— Logo
C 017 Holding Current
Max.Interrupt voltage
XX Lot No.

2、Electrical Characteristics

Part Number	I_H (A)	I_T (A)	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)				
TRC017	0.17	0.34	60	40	0.85	3.0	0.48	2.00	5.21	8.00

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.

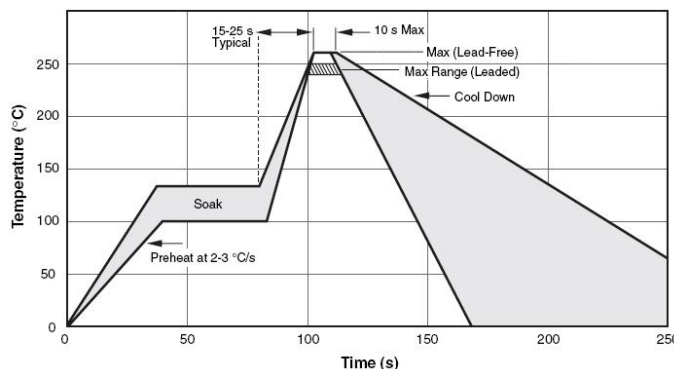
R_{max} : Maximum resistance of device prior to trip at 25°C.

$R1_{max}$: 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
TRC017	0.26	0.23	0.20	0.17	0.14	0.12	0.11	0.09	0.07

4、Wave Soldering Parameters



Profile Feature	Condition
Average Ramp-Up Rate (T_{smax} to T_P)	4°C/second max.
Preheat -Temperature Min (T_{smin}) -Temperature Max (T_{smax}) -Time (T_{smin} to T_{smax})	100°C 125°C 60-180 seconds
Peak Temperature (T_P)	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