

POLYMER PTC RESETTABLE FUSE

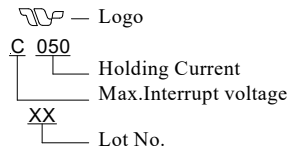
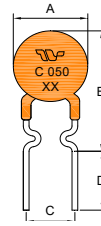


Part Number: TRC050-5

1、 Physical Dimensions

Unit:mm

Part Number	A	B	C	D	E	Lead
	Max	Max	TYP	Nor	Max	Φ
TRC050-5	9.7	15.2	5.1	3.8±0.5	3.1	0.60



2、 Electrical Characteristics

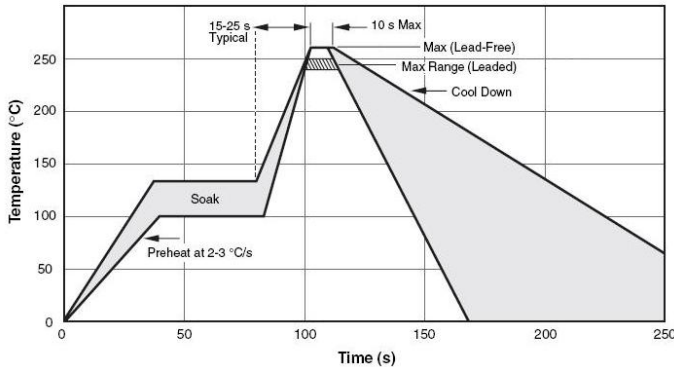
Part Number	I _H (A)	I _T (A)	V _{max} (V)	I _{max} (A)	T _{trip} (Max time to trip)		Pd _{typ} (W)	R _{min} (Ω)	R _{max} (Ω)	R1 _{max} (Ω)
					Current(A)	Time(S)				
TRC050-5	0.50	1.00	60	40	2.50	4.0	0.75	0.38	0.78	1.20

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
TRC050-5	0.78	0.68	0.60	0.50	0.41	0.36	0.32	0.27	0.20

4、 Wave Soldering Parameters



Profile Feature	Condition
Average Ramp-Up Rate (T _{max} to TP)	4°C/second max.
Preheat -Temperature Min (T _{min}) -Temperature Max (T _{max}) -Time (T _{min} to T _{max})	100°C 125°C 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.

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