

POLYMER PTC RESETTABLE FUSE

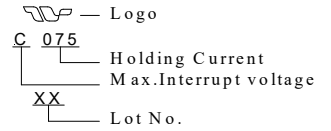
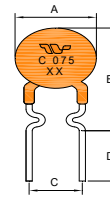


Part Number:TRC075-16

1、 Physical Dimensions

Unit:mm

| Part Number | A | B | C | D | E | Lead |
|-------------|------|------|-----|-----|-----|------|
| | Max | Max | TYP | Min | Max | Φ |
| TRC075-16 | 10.4 | 16.0 | 5.1 | 7.6 | 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) | | | | |
| TRC075-16 | 0.75 | 1.50 | 60/72 | 40 | 3.75 | 6.3 | 0.90 | 0.23 | 0.45 | 0.62 |

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.

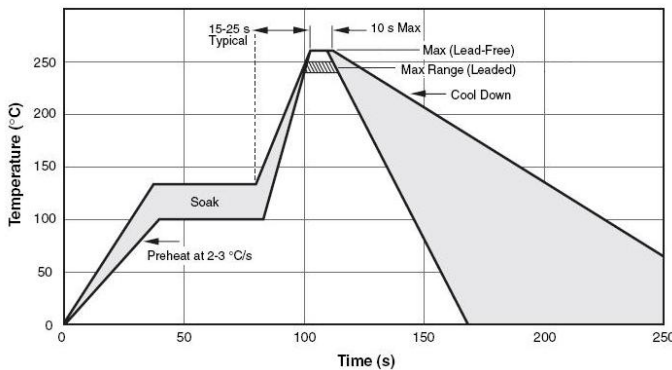
R_{max}: Maximum resistance of device prior to trip at 25°C.

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 |
| TRC075-16 | 1.16 | 1.02 | 0.89 | 0.75 | 0.61 | 0.54 | 0.47 | 0.41 | 0.30 |

4、 Wave Soldering Parameters



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

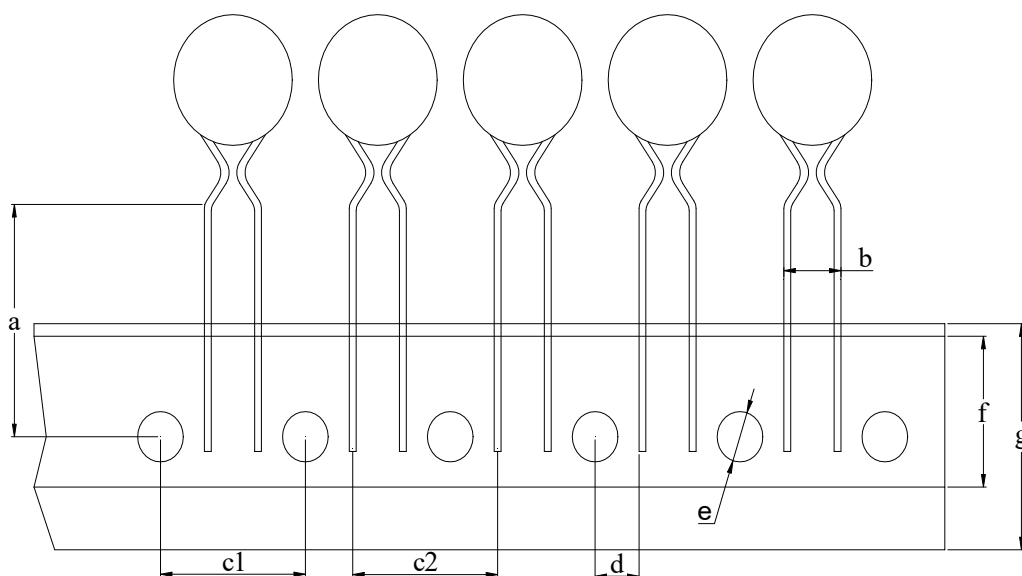
Tape and Reel Specifications: Devices taped using EIA468-B/IEC286-2 standards.

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Part Number:TRC075-16

| Model | a | b | c1 | c2 | d | e | f | g |
|-----------|--------|---------|----------|----------|----------|---------|------|------|
| | Nor. | Nor. | Nor. | Nor. | Nor. | Nor. | Typ. | Nor. |
| TRC075-16 | 18.5±1 | 5.0±0.5 | 12.7±0.2 | 12.7±1.0 | 3.85±0.2 | 4.0±0.3 | 12 | 18±1 |



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.