



FUSES

TRB(30V) Series

Features

- ◆ Radial Leaded Devices
- ◆ Cured, flame retardant epoxy polymer insulating material meets UL 94V-0 requirements
- ◆ Bulk Package, or tape and reel available on most models
- ◆ UL(Pending), C-UL(Pending), TUV(R50322003)
- ◆ RoHS, Reach, HF compliance

Applications

Almost anywhere there is a low voltage power supply, up to 30V and a load to be protected, including:

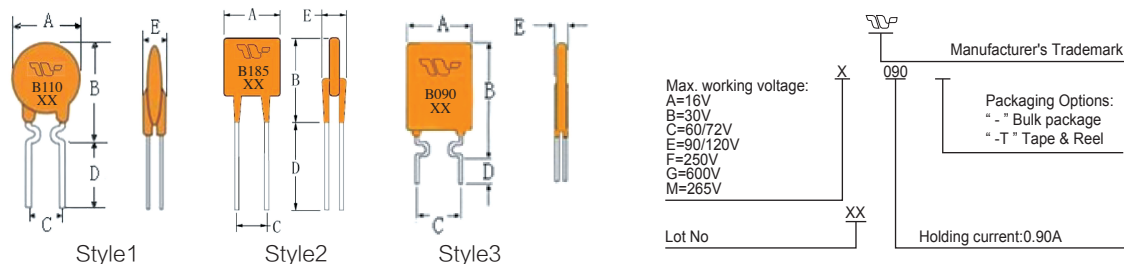
- ◆ Personal computer
- ◆ Toys
- ◆ Industrial controls



电气特性 :

| P/N | 保持电流 | 跳脱电流 | 最大电压 | 最大电流 | 最大动作时间 | | 消耗功率 | 电阻范围 (Ω) | | |
|--------|-------------|-------------|-----------------|-----------------|--------|--------|------------------|-------------|-------------|--------------|
| | I_H , (A) | I_T , (A) | V_{max} , (V) | I_{max} , (A) | (A) | (Sec.) | Pd_{typ} , (W) | R_{min} , | R_{max} , | $R1_{max}$, |
| TRB090 | 0.90 | 1.80 | 30 | 40 | 4.50 | 5.9 | 0.60 | 0.090 | 0.230 | 0.300 |
| TRB110 | 1.10 | 2.20 | 30 | 40 | 5.50 | 6.6 | 0.70 | 0.060 | 0.160 | 0.260 |
| TRB120 | 1.20 | 2.40 | 30 | 40 | 6.00 | 6.5 | 0.70 | 0.050 | 0.115 | 0.255 |
| TRB135 | 1.35 | 2.70 | 30 | 40 | 6.75 | 7.3 | 0.80 | 0.040 | 0.095 | 0.170 |
| TRB160 | 1.60 | 3.2 | 30 | 40 | 8.00 | 8.0 | 0.90 | 0.030 | 0.095 | 0.160 |
| TRB185 | 1.85 | 3.7 | 30 | 40 | 9.25 | 8.7 | 1.00 | 0.030 | 0.070 | 0.110 |
| TRB250 | 2.50 | 5.0 | 30 | 40 | 12.5 | 10.3 | 1.20 | 0.020 | 0.048 | 0.072 |
| TRB300 | 3.00 | 6.00 | 30 | 40 | 15.0 | 10.8 | 2.00 | 0.015 | 0.050 | 0.075 |
| TRB400 | 4.00 | 8.00 | 30 | 40 | 20.0 | 12.7 | 2.50 | 0.010 | 0.030 | 0.045 |
| TRB500 | 5.00 | 10.00 | 30 | 40 | 25.0 | 14.5 | 3.00 | 0.008 | 0.025 | 0.045 |
| TRB600 | 6.00 | 12.00 | 30 | 100 | 30.0 | 16.0 | 3.50 | 0.005 | 0.020 | 0.030 |
| TRB700 | 7.00 | 14.00 | 30 | 100 | 35.0 | 17.5 | 3.80 | 0.003 | 0.016 | 0.025 |
| TRB800 | 8.00 | 16.00 | 30 | 100 | 40.0 | 18.8 | 4.00 | 0.004 | 0.015 | 0.023 |
| TRB900 | 9.00 | 18.00 | 30 | 100 | 40.0 | 20.0 | 4.00 | 0.004 | 0.010 | 0.015 |

产品尺寸 (Unit: mm) :





FUSES

电路保护元器件专业制造商

TRB(30V) Series

| P/N | A | B | C | D | E | 物理特性 | | |
|--------|----------|----------|----------|----------|----------|-----------|---------|--------------|
| | Max.(最大) | Max.(最大) | Typ.(标准) | Min.(最小) | Max.(最大) | Style(样式) | LeadΦmm | Material(材料) |
| TRB090 | 7.4 | 14.0 | 5.1 | 7.6 | 3.1 | 3 | 0.50 | CP |
| TRB110 | 10.7 | 16.7 | 5.1 | 7.6 | 3.1 | 1 | 0.50 | CP |
| TRB120 | 10.7 | 16.7 | 5.1 | 7.6 | 3.1 | 1 | 0.50 | CP |
| TRB135 | 10.7 | 16.7 | 5.1 | 7.6 | 3.1 | 1 | 0.50 | CP |
| TRB160 | 11.0 | 16.8 | 5.1 | 7.6 | 3.1 | 1 | 0.60 | Cu |
| TRB185 | 11.5 | 17.9 | 5.1 | 7.6 | 3.1 | 1 | 0.60 | Cu |
| TRB250 | 13.0 | 18.3 | 5.1 | 7.6 | 3.1 | 2 | 0.60 | Cu |
| TRB300 | 13.0 | 18.3 | 5.1 | 7.6 | 3.1 | 2 | 0.80 | Cu |
| TRB400 | 16.4 | 24.8 | 5.1 | 7.6 | 3.1 | 2 | 0.80 | Cu |
| TRB500 | 21.3 | 26.4 | 10.2 | 7.6 | 3.1 | 2 | 0.80 | Cu |
| TRB600 | 20.8 | 29.8 | 10.2 | 7.6 | 3.1 | 2 | 0.80 | Cu |
| TRB700 | 20.8 | 29.8 | 10.2 | 7.6 | 3.1 | 2 | 0.80 | Cu |
| TRB800 | 24.2 | 32.9 | 10.2 | 7.6 | 3.1 | 2 | 0.80 | Cu |
| TRB900 | 24.2 | 32.9 | 10.2 | 7.6 | 3.1 | 2 | 0.80 | Cu |

环境温度与工作电流关系特性曲线：

| P/N | 工作环境温度 | | | | | | | | |
|--------|--------|-------|-------|------|------|------|------|------|------|
| | -40℃ | -20℃ | 0℃ | 25℃ | 40℃ | 50℃ | 60℃ | 70℃ | 85℃ |
| TRB090 | 1.40 | 1.22 | 1.07 | 0.90 | 0.73 | 0.65 | 0.57 | 0.49 | 0.36 |
| TRB110 | 1.60 | 1.43 | 1.27 | 1.10 | 0.91 | 0.85 | 0.75 | 0.67 | 0.57 |
| TRB120 | 1.75 | 1.56 | 1.39 | 1.20 | 0.99 | 0.93 | 0.82 | 0.73 | 0.62 |
| TRB135 | 1.96 | 1.76 | 1.55 | 1.35 | 1.12 | 1.04 | 0.92 | 0.82 | 0.70 |
| TRB160 | 2.32 | 2.08 | 1.84 | 1.60 | 1.33 | 1.23 | 1.09 | 0.98 | 0.83 |
| TRB185 | 2.68 | 2.41 | 2.13 | 1.85 | 1.54 | 1.42 | 1.26 | 1.13 | 0.96 |
| TRB250 | 3.63 | 3.25 | 2.88 | 2.50 | 2.08 | 1.93 | 1.70 | 1.53 | 1.30 |
| TRB300 | 4.35 | 3.90 | 3.45 | 3.00 | 2.49 | 2.31 | 2.04 | 1.83 | 1.56 |
| TRB400 | 5.80 | 5.20 | 4.60 | 4.00 | 3.32 | 3.08 | 2.72 | 2.44 | 2.08 |
| TRB500 | 7.25 | 6.50 | 5.75 | 5.00 | 4.15 | 3.85 | 3.40 | 3.05 | 2.60 |
| TRB600 | 8.70 | 7.80 | 6.90 | 6.00 | 4.98 | 4.62 | 4.08 | 3.66 | 3.12 |
| TRB700 | 10.10 | 9.10 | 8.05 | 7.00 | 5.81 | 5.39 | 4.76 | 4.27 | 3.64 |
| TRB800 | 11.60 | 10.40 | 9.20 | 8.00 | 6.64 | 6.16 | 5.44 | 4.88 | 4.16 |
| TRB900 | 13.00 | 11.70 | 10.30 | 9.00 | 7.47 | 6.93 | 6.12 | 5.49 | 4.68 |

PPTC RESETTALBE FUSES



Revision: A
Date: 2018-04-24
No.: 1 OF 2

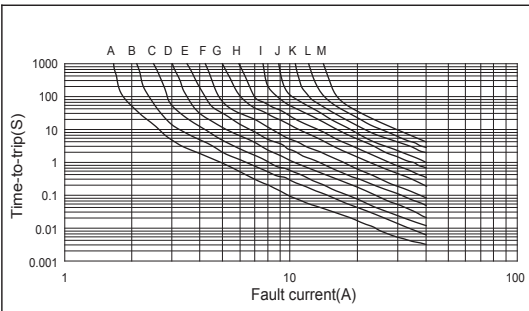


电路保护元器件专业制造商

TRB(30V) Series

动作电流时间曲线表 :

- A=TRB090
- B=TRB110
- C=TRB135
- D=TRB160
- E=TRB185
- F=TRB250
- G=TRB300
- H=TRB400
- I=TRB500
- J=TRB600
- K=TRB700
- L=TRB800
- M=TRB900



The Time to Trip curves represent typical performance of a device in a simulated application environment. Actual performance in specific customer applications may differ from these values due to the influence of other variables.

标准包装数量 :

| Model | Q'ty/bag |
|--|----------|
| TRB090-TRB185 | 1000pcs |
| TRB250-TRB400 | 500pcs |
| TRB500-TRB900 | 200pcs |
| Tape and Reel Specifications | |
| Devices taped using EIA468 - B/IEC286-2 standards. | |

6、Agency Recognition:



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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