



FUSES

电路保护元器件专业制造商

TRA(16V) 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 16V and a load to be protected, including:

- ◆ Personal computer
- ◆ Toys
- ◆ Medical electronics
- ◆ Personal care product

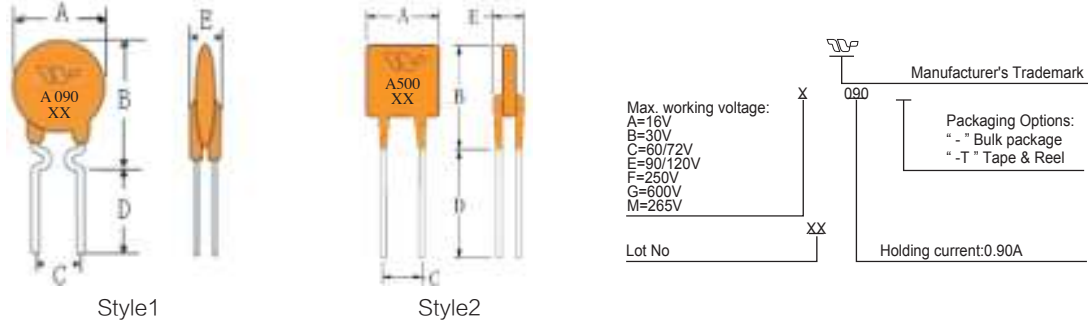


电气特性：

| 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.) | $P_{d\ typ}$, (W) | R_{min} , | R_{max} , | $R1_{max}$, |
| TRA005 | 0.05 | 0.10 | 16 | 40 | 0.25 | 5.0 | 0.26 | 8.00 | 11.50 | 17.00 |
| TRA010 | 0.10 | 0.20 | 16 | 40 | 0.50 | 4.0 | 0.35 | 2.00 | 4.50 | 6.70 |
| TRA017 | 0.17 | 0.34 | 16 | 40 | 0.85 | 3.0 | 0.36 | 0.980 | 1.800 | 2.700 |
| TRA020 | 0.20 | 0.40 | 16 | 40 | 1.00 | 3.0 | 0.36 | 0.780 | 1.600 | 2.200 |
| TRA025 | 0.25 | 0.50 | 16 | 40 | 1.25 | 3.0 | 0.36 | 0.500 | 1.100 | 1.650 |
| TRA030 | 0.30 | 0.60 | 16 | 40 | 1.50 | 3.0 | 0.36 | 0.350 | 0.700 | 1.050 |
| TRA040 | 0.40 | 0.80 | 16 | 40 | 2.00 | 3.0 | 0.40 | 0.230 | 0.650 | 0.970 |
| TRA050 | 0.50 | 1.00 | 16 | 40 | 2.50 | 3.0 | 0.45 | 0.170 | 0.400 | 0.810 |
| TRA065 | 0.65 | 1.30 | 16 | 40 | 3.25 | 3.0 | 0.45 | 0.110 | 0.300 | 0.450 |
| TRA075 | 0.75 | 1.50 | 16 | 40 | 3.75 | 3.0 | 0.54 | 0.080 | 0.230 | 0.260 |
| TRA090 | 0.90 | 1.80 | 16 | 40 | 4.50 | 3.2 | 0.54 | 0.070 | 0.180 | 0.210 |
| TRA110 | 1.10 | 2.20 | 16 | 40 | 5.50 | 4.0 | 0.54 | 0.045 | 0.140 | 0.170 |
| TRA120 | 1.20 | 2.40 | 16 | 40 | 6.00 | 4.0 | 0.54 | 0.040 | 0.120 | 0.160 |
| TRA135 | 1.35 | 2.70 | 16 | 40 | 6.75 | 4.0 | 0.54 | 0.035 | 0.100 | 0.140 |
| TRA160 | 1.60 | 3.20 | 16 | 40 | 8.00 | 4.5 | 0.54 | 0.030 | 0.100 | 0.110 |
| TRA185 | 1.85 | 3.70 | 16 | 40 | 9.25 | 4.5 | 0.54 | 0.030 | 0.080 | 0.100 |
| TRA200 | 2.00 | 4.00 | 16 | 40 | 10.0 | 5.0 | 0.90 | 0.020 | 0.065 | 0.090 |
| TRA250 | 2.50 | 5.00 | 16 | 40 | 12.5 | 5.0 | 0.90 | 0.015 | 0.050 | 0.070 |
| TRA300 | 3.00 | 6.00 | 16 | 40 | 15.0 | 4.0 | 0.90 | 0.010 | 0.040 | 0.055 |
| TRA400 | 4.00 | 8.00 | 16 | 40 | 20.0 | 3.0 | 1.35 | 0.010 | 0.030 | 0.045 |
| TRA500 | 5.0 | 10.0 | 16 | 100 | 25.0 | 5.0 | 2.6 | 0.009 | 0.027 | 0.033 |
| TRA600 | 6.0 | 12.0 | 16 | 100 | 30.0 | 7.0 | 2.8 | 0.007 | 0.021 | 0.031 |
| TRA700 | 7.0 | 14.0 | 16 | 100 | 35.0 | 8.0 | 3.0 | 0.006 | 0.015 | 0.020 |
| TRA800 | 8.0 | 16.0 | 16 | 100 | 40.0 | 9.0 | 3.0 | 0.004 | 0.013 | 0.018 |
| TRA900 | 9.0 | 18.0 | 16 | 100 | 45.0 | 12.0 | 3.3 | 0.003 | 0.012 | 0.016 |
| TRA1000 | 10.0 | 20.0 | 16 | 100 | 50.0 | 12.5 | 3.7 | 0.002 | 0.011 | 0.015 |
| TRA1100 | 11.0 | 22.0 | 16 | 100 | 55.0 | 13.5 | 3.7 | 0.002 | 0.010 | 0.013 |
| TRA1200 | 12.0 | 24.0 | 16 | 100 | 60.0 | 15.0 | 4.2 | 0.002 | 0.009 | 0.012 |
| TRA1300 | 13.0 | 26.0 | 16 | 100 | 65.0 | 18.0 | 4.2 | 0.002 | 0.008 | 0.011 |
| TRA1400 | 14.0 | 28.0 | 16 | 100 | 70.0 | 20.0 | 4.2 | 0.002 | 0.008 | 0.011 |



产品尺寸 (Unit: mm) :



| 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) | Lead Φ(mm) | Material(标准) |
| TRA005 | 5.7 | 10.5 | 5.1 | 7.6 | 3.1 | 1 | 0.50 | CP |
| TRA010 | 5.7 | 10.5 | 5.1 | 7.6 | 3.1 | 1 | 0.50 | CP |
| TRA017 | 5.7 | 10.5 | 5.1 | 7.6 | 3.1 | 1 | 0.50 | CP |
| TRA020 | 5.7 | 10.5 | 5.1 | 7.6 | 3.1 | 1 | 0.50 | CP |
| TRA025 | 5.7 | 10.5 | 5.1 | 7.6 | 3.1 | 1 | 0.50 | CP |
| TRA030 | 5.7 | 10.5 | 5.1 | 7.6 | 3.1 | 1 | 0.50 | CP |
| TRA040 | 5.7 | 10.5 | 5.1 | 7.6 | 3.1 | 1 | 0.50 | CP |
| TRA050 | 5.7 | 10.5 | 5.1 | 7.6 | 3.1 | 1 | 0.50 | CP |
| TRA065 | 6.5 | 13.2 | 5.1 | 7.6 | 3.1 | 1 | 0.50 | CP |
| TRA075 | 6.5 | 13.2 | 5.1 | 7.6 | 3.1 | 1 | 0.50 | CP |
| TRA090 | 7.4 | 13.0 | 5.1 | 7.6 | 3.1 | 1 | 0.50 | CP |
| TRA110 | 7.4 | 13.0 | 5.1 | 7.6 | 3.1 | 1 | 0.50 | CP |
| TRA120 | 7.4 | 13.0 | 5.1 | 7.6 | 3.1 | 1 | 0.50 | CP |
| TRA135 | 9.4 | 14.5 | 5.1 | 7.6 | 3.1 | 1 | 0.50 | CP |
| TRA160 | 9.4 | 14.5 | 5.1 | 7.6 | 3.1 | 1 | 0.50 | CP |
| TRA185 | 9.4 | 14.5 | 5.1 | 7.6 | 3.1 | 1 | 0.50 | CP |
| TRA200 | 10.7 | 16.7 | 5.1 | 7.6 | 3.1 | 1 | 0.60 | Cu |
| TRA250 | 10.7 | 16.7 | 5.1 | 7.6 | 3.1 | 1 | 0.60 | Cu |
| TRA300 | 10.7 | 16.7 | 5.1 | 7.6 | 3.1 | 1 | 0.60 | Cu |
| TRA400 | 11.5 | 17.9 | 5.1 | 7.6 | 3.1 | 1 | 0.60 | Cu |
| TRA500 | 13.0 | 18.3 | 5.1 | 7.6 | 3.1 | 2 | 0.80 | Cu |
| TRA600 | 13.0 | 18.3 | 5.1 | 7.6 | 3.1 | 2 | 0.80 | Cu |
| TRA700 | 16.3 | 21.3 | 5.1 | 7.6 | 3.1 | 2 | 0.80 | Cu |
| TRA800 | 17.8 | 22.9 | 5.1 | 7.6 | 3.1 | 2 | 0.80 | Cu |
| TRA900 | 21.3 | 26.4 | 5.1 | 7.6 | 3.1 | 2 | 0.80 | Cu |
| TRA1000 | 21.3 | 26.4 | 5.1 | 7.6 | 3.1 | 2 | 0.80 | Cu |
| TRA1100 | 20.8 | 29.8 | 10.2 | 7.6 | 3.1 | 2 | 0.80 | Cu |
| TRA1200 | 20.8 | 29.8 | 10.2 | 7.6 | 3.1 | 2 | 0.80 | Cu |
| TRA1300 | 24.2 | 32.9 | 10.2 | 7.6 | 3.1 | 2 | 0.80 | Cu |
| TRA1400 | 24.2 | 32.9 | 10.2 | 7.6 | 3.1 | 2 | 0.80 | Cu |

PPTC RESETTALBE

FUSES



Revision: A
Date: 2018-04-24
No.: 1 OF 3

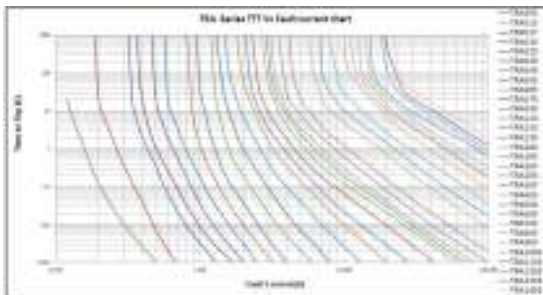


TRA(16V) Series

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℃ |
| TRA005 | 0.08 | 0.07 | 0.06 | 0.05 | 0.04 | 0.04 | 0.03 | 0.03 | 0.02 |
| TRA010 | 0.17 | 0.15 | 0.13 | 0.10 | 0.07 | 0.06 | 0.05 | 0.04 | 0.03 |
| TRA017 | 0.27 | 0.24 | 0.21 | 0.17 | 0.14 | 0.12 | 0.09 | 0.07 | 0.05 |
| TRA020 | 0.32 | 0.28 | 0.25 | 0.20 | 0.16 | 0.14 | 0.12 | 0.10 | 0.07 |
| TRA025 | 0.40 | 0.34 | 0.29 | 0.25 | 0.20 | 0.17 | 0.15 | 0.13 | 0.09 |
| TRA030 | 0.47 | 0.41 | 0.36 | 0.30 | 0.24 | 0.21 | 0.18 | 0.14 | 0.10 |
| TRA040 | 0.62 | 0.53 | 0.46 | 0.40 | 0.31 | 0.28 | 0.23 | 0.20 | 0.16 |
| TRA050 | 0.77 | 0.67 | 0.58 | 0.50 | 0.40 | 0.34 | 0.30 | 0.25 | 0.19 |
| TRA065 | 1.00 | 0.87 | 0.75 | 0.65 | 0.51 | 0.45 | 0.40 | 0.34 | 0.22 |
| TRA075 | 1.04 | 0.94 | 0.83 | 0.75 | 0.61 | 0.54 | 0.46 | 0.41 | 0.29 |
| TRA090 | 1.39 | 1.22 | 1.07 | 0.90 | 0.72 | 0.63 | 0.53 | 0.45 | 0.33 |
| TRA110 | 1.61 | 1.43 | 1.24 | 1.10 | 0.89 | 0.83 | 0.74 | 0.66 | 0.56 |
| TRA120 | 1.76 | 1.56 | 1.35 | 1.20 | 0.97 | 0.91 | 0.81 | 0.72 | 0.61 |
| TRA135 | 1.98 | 1.75 | 1.54 | 1.35 | 1.08 | 1.01 | 0.89 | 0.78 | 0.67 |
| TRA160 | 2.30 | 2.06 | 1.82 | 1.60 | 1.33 | 1.20 | 1.05 | 0.96 | 0.78 |
| TRA185 | 2.68 | 2.41 | 2.13 | 1.85 | 1.53 | 1.40 | 1.23 | 1.13 | 0.93 |
| TRA200 | 3.14 | 2.70 | 2.28 | 2.00 | 1.80 | 1.72 | 1.34 | 1.23 | 1.03 |
| TRA250 | 3.63 | 3.25 | 2.88 | 2.50 | 2.08 | 1.93 | 1.70 | 1.53 | 1.30 |
| TRA300 | 4.34 | 3.87 | 3.42 | 3.00 | 2.49 | 2.28 | 2.02 | 1.82 | 1.52 |
| TRA400 | 5.78 | 5.15 | 4.58 | 4.00 | 3.28 | 3.04 | 2.68 | 2.42 | 2.07 |
| TRA500 | 7.23 | 6.44 | 5.73 | 5.00 | 4.10 | 3.80 | 3.35 | 3.03 | 2.59 |
| TRA600 | 10.12 | 9.01 | 8.02 | 7.00 | 5.74 | 5.32 | 5.25 | 4.24 | 3.62 |
| TRA700 | 10.12 | 9.01 | 8.02 | 7.00 | 5.74 | 5.32 | 5.25 | 4.24 | 3.62 |
| TRA800 | 11.56 | 10.30 | 9.16 | 8.00 | 6.56 | 6.08 | 5.36 | 4.84 | 4.14 |
| TRA900 | 13.00 | 11.58 | 10.30 | 9.00 | 7.38 | 6.84 | 5.36 | 4.84 | 4.14 |
| TRA1000 | 14.45 | 12.88 | 11.45 | 10.00 | 8.20 | 7.60 | 6.70 | 6.05 | 5.18 |
| TRA1100 | 15.89 | 14.16 | 12.60 | 11.0 | 9.02 | 8.36 | 7.37 | 6.66 | 5.69 |
| TRA1200 | 17.34 | 15.45 | 13.74 | 12.00 | 9.84 | 9.12 | 8.04 | 7.26 | 6.21 |
| TRA1300 | 18.79 | 16.74 | 14.89 | 13.00 | 12.66 | 9.88 | 8.71 | 7.87 | 6.73 |
| TRA1400 | 20.23 | 18.03 | 16.03 | 14.00 | 15.31 | 10.64 | 9.38 | 8.47 | 7.25 |

动作电流时间曲线表：



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

PPTC RESETTALBE FUSES



Revision: A
Date: 2018-04-24
No.: 1 OF 4



TRA(16V) Series

标准包装数量 :

| Model | Q' t y/bag |
|--|------------|
| TRA005-TRA500 | 1000pcs |
| TRA600-TRA800 | 500pcs |
| TRA900-TRA1400 | 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.

X-ON Electronics

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