

**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        |

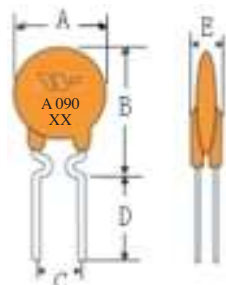


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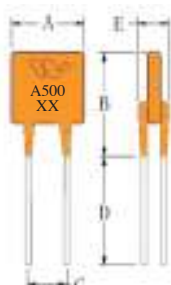
电路保护元器件专业制造商

## TRA(16V) Series

产品尺寸 (Unit: mm) :



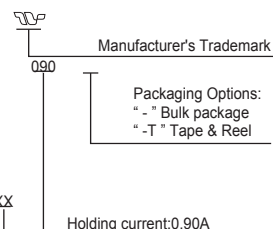
Style1



Style2

Max. working voltage:  
A=16V  
B=30V  
C=60/72V  
E=90/120V  
F=250V  
G=600V  
M=265V

Lot No



| 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

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

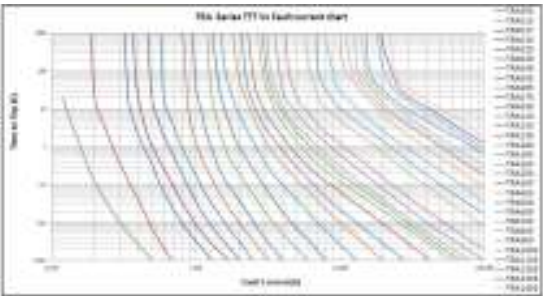


TRA(16V) Series

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：



# 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.