

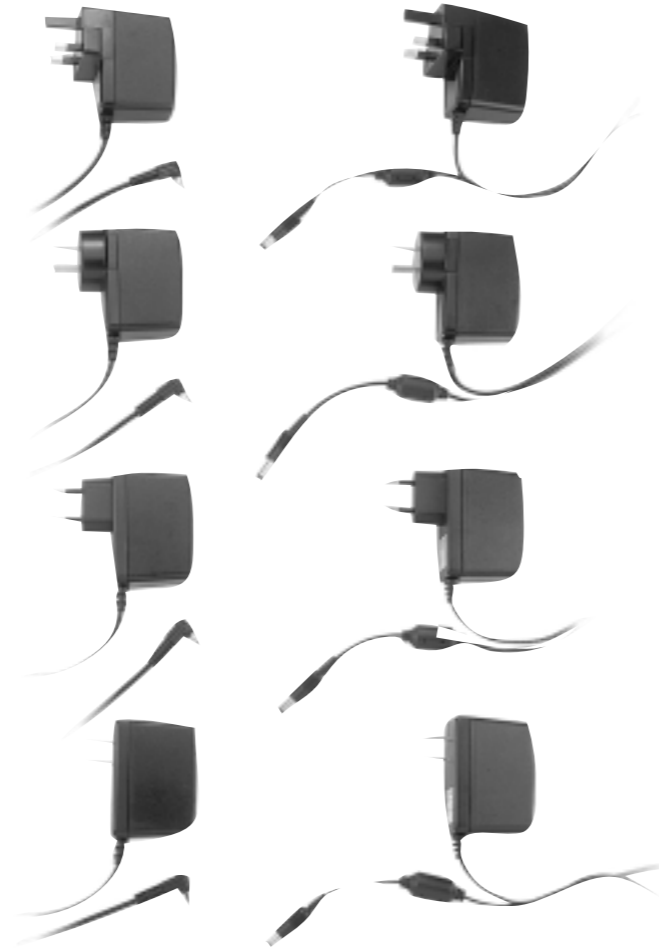
# TR15

## 15W SWITCHING ADAPTER



**SMIX POWER**

3005 Avenida Simi, Simi Valley, CA 93063  
TEL: (805) 582-2804 FAX: (805) 582-2308



### Features

- Universal Input: 90 ~ 264Vac
- Continuous Short Circuit Protection
- Meets EN55022 Class "B", Conducted
- High Efficiency, 75% Typical

### Specifications

#### INPUT CHARACTERISTICS:

Voltage .....90 ~ 264Vac  
Frequency .....47 to 63Hz  
Input Current .....0.5A max.  
Inrush Current.....50A max. @ 264Vac

#### ENVIRONMENTAL CHARACTERISTICS:

Operating Temperature ..... 0 ~ 40°C  
Storage Temperature ..... -20 ~ 85°C

#### OUTPUT CHARACTERISTICS:

Holdup Time ..... 10mS typ. @ 115Vac  
Short Circuit Protection ..... Continuous (Auto Recovery)  
Over Voltage Protection ..... Option

#### MECHANICAL CHARACTERISTICS:

Dimensions .....2.83x 2.05 x 1.37 Inches  
Weight .....0.35 Pounds

| MODEL     | OUTPUT VOLTAGE | OUTPUT CURRENT | RIPPLE & NOISE | VOLTAGE SETPOINT | LINE REGULATION | LOAD REGULATION |
|-----------|----------------|----------------|----------------|------------------|-----------------|-----------------|
| TR1505    | 5 V            | 2.0 A          | 1%             | +/- 2%           | +/- 1%          | +/- 4%          |
| TR1506    | 6 V            | 1.5 A          | 1%             | +/- 2%           | +/- 1%          | +/- 3%          |
| TR1507    | 7.5 V          | 1.6 A          | 1%             | +/- 2%           | +/- 1%          | +/- 3%          |
| TR1509    | 9 V            | 1.4 A          | 1%             | +/- 2%           | +/- 1%          | +/- 2%          |
| TR1512    | 12 V           | 1.0 A          | 1%             | +/- 2%           | +/- 1%          | +/- 2%          |
| TR1512-01 | 13.6 V         | 1.0 A          | 1%             | +/- 2%           | +/- 1%          | +/- 2%          |
| TR1515    | 15 V           | 1.0 A          | 1%             | +/- 2%           | +/- 1%          | +/- 2%          |
| TR1518    | 18 V           | 0.83 A         | 1%             | +/- 2%           | +/- 1%          | +/- 2%          |
| TR1524    | 24 V           | 0.63 A         | 1%             | +/- 2%           | +/- 1%          | +/- 2%          |

#### NOTE:

1. Voltage setpoint at 60% full load.
2. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measurement @20MHz BW.
3. Line regulation measured from 100Vac to 240Vac, full load.
4. Load regulation measured from 60% to full load and from 60% to 20% load (60% +/- 40% load)

### Mechanical Specification

