

# TR45

## 45W SWITCHING ADAPTER



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, 82% Typical

### Specifications

#### INPUT CHARACTERISTICS:

Voltage .....90 ~ 264Vac  
 Frequency .....47 to 63Hz  
 Inrush Current ..... 50A Max. @ 264Vac  
 Conducted EMI .....CISPR/FCC Class B  
 Isolation ..... Input to output =4,242Vdc  
 Leakage Current.....1.5mA max.

#### ENVIRONMENTAL CHARACTERISTICS:

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

#### OUTPUT CHARACTERISTICS:

Holdup Time ..... 8mS typ. @ 115Vac  
 Short Circuit Protection ..... Continuous  
 Over Voltage Protection ..... Option

#### MECHANICAL CHARACTERISTICS:

Dimensions .....5.20 x 2.29 x 1.18 Inches  
 Weight .....0.77 Pounds  
 AC Inlet ..... IEC320/C14

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	VOLTAGE SETPOINT	LINE REGULATION	LOAD REGULATION
TR45A05	5V	6.00A	1%	+/- 2%	+/- 1%	+/- 6%
TR45A12	12 V	3.75 A	1%	+/- 2%	+/- 1%	+/- 5%
TR45A15	15 V	3.00 A	1%	+/- 2%	+/- 1%	+/- 3%
TR45A18	18 V	2.50 A	1%	+/- 2%	+/- 1%	+/- 2%
TR45A19	19V	2.37A	1%	+/- 2%	+/- 1%	+/- 2%
TR45A24	24V	1.88A	1%	+/- 2%	+/- 1%	+/- 2%
TR45A48	48V	1.00A	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 100% load and from 60% to 20% load (60% +/- 40% full load)

### Mechanical Specification

Unit: mm (in)

