

# TR70

## 70W SWITCHING ADAPTER



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### Features

- Universal Input: 90 ~ 264Vac
- Continuous Short Circuit Protection
- Meets EN55022 Class "B", Conducted
- High Efficiency, 85% 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 OUTLINE:

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
TR70A12	12 V	5.5 A	1%	+/- 2%	+/- 1%	+/- 5%
TR70A15	15 V	4.6 A	1%	+/- 2%	+/- 1%	+/- 3%
TR70A18	18 V	3.9 A	1%	+/- 2%	+/- 1%	+/- 2%
TR70A19	19 V	3.7 A	1%	+/- 2%	+/- 1%	+/- 2%
TR70A24	24V	3.0 A	1%	+/- 2%	+/- 1%	+/- 2%
TR70A48	48 V	1.5A	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% full load)

### Mechanical Specification

Unit: mm (in)

