

S E R I E S

# TR100

**100W SWITCHING ADAPTER WITH PFC**



## Features

- Universal Input: 90 ~ 264Vac
- Conductive EMI Meets CISPR/FCC Class B
- High Efficiency, 85% Typical

## Specifications

### INPUT CHARACTERISTICS:

Voltage .....90 ~ 264Vac  
 Frequency .....47 to 63Hz  
 Inrush Current ..... 100A Max. @ 264Vac  
 Conducted EMI .....CISPR/FCC Class B  
 Isolation ..... Input to output =4,242Vdc  
 Leakage Current.....3.5mA max.

### OUTPUT CHARACTERISTICS:

Holdup Time .....20mS typ. @ 115Vac  
 Short Circuit Protection ..... Continuous  
 Over Voltage Protection ..... Auto Recovery

### ENVIRONMENTAL CHARACTERISTICS:

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

### MECHANICAL CHARACTERISTICS:

Dimensions .....150 x 70 x 35mm (5.91 x 2.76 x 1.38 inches)  
 Weight .....600g

Typical at 25°C, nominal line and 75% load, unless otherwise Specified

MODEL	OUTPUT VOLTAGE	MAX. LOAD	MIN. LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION
TR100A120	12 V	8.33 A	0 A	1%	± 2%	± 1%	± 4%
TR100A150	15 V	6.67 A	0 A	1%	± 2%	± 1%	± 4%
TR100A180	18 V	5.56 A	0 A	1%	± 2%	± 1%	± 2%
TR100A190	19 V	5.21 A	0 A	1%	± 2%	± 1%	± 2%
TR100A240	24 V	4.17 A	0 A	1%	± 2%	± 1%	± 2%
TR100A280	28 V	3.54 A	0 A	1%	± 2%	± 1%	± 2%
TR100A290	29 V	3.41 A	0 A	1%	± 2%	± 1%	± 2%
TR100A300	30 V	3.30 A	0 A	1%	± 2%	± 1%	± 2%
TR100A360	36 V	2.78 A	0 A	1%	± 2%	± 1%	± 2%
TR100A480	48 V	2.08 A	0 A	1%	± 2%	± 1%	± 2%

### NOTE:

1. Voltage accuracy is set at 60% full load.
2. Add a 0.1µF ceramic capacitor and a 10µF E.L. capacitor to output for Ripple & Noise measurement @20MHz BW.
3. Line regulation is measured from 100Vac to 240Vac, full load.
4. Load regulation is measured from 60% to 100% full load and from 60% to 20% full load (60% +/- 40% full load)
5. Cable Length limit for TR100A120/150:1200mm(max.)  
 Cable Length limit for TR100A180/190/240/480:1800mm(max.)  
 (For Customer Design)

## Mechanical Specification

