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.....1.5mA 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 .....5.91 x 2.76 x 1.38 Inches

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	8.30 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%
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

Unit: mm (in)