

TR30M

S E R I E S

NEW

30W SWITCHING ADAPTER FOR MEDICAL PRODUCT



Features

- Universal Input : 90 ~ 264Vac
- Continuous Short Circuit Protection
- Over Voltage Protection
- Conductive EMI Meets CISPR/FCC Class B
- High Efficiency at 75% Typical

Specifications

INPUT CHARACTERISTICS:

Voltage90 ~ 264Vac
 Frequency47 to 63Hz
 Input Current0.6A max.
 Inrush Current.....50A max. @ 264Vac
 IsolationInput to output = 5656VDC

OUTPUT CHARACTERISTICS:

Holdup Time 16ms typ. @ 115Vac
 Short Circuit Protection Continuous (Auto Recovery)
 Over Voltage ProtectionYes

ENVIRONMENTAL CHARACTERISTICS:

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

MECHANICAL CHARACTERISTICS:

Dimensions110 x 50 x 30mm (4.33x 1.96 x 1.18 inches)
 Weight220g

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

MODEL	OUTPUT VOLTAGE	RATED LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION
TR30M050	5 V	4 A	50mVp-p	±2%	±1%	±6%
TR30M090	9 V	3 A	90mVp-p	±2%	±1%	±4%
TR30M120	12 V	2.5 A	120mVp-p	±2%	±1%	±3%
TR30M150	15 V	2 A	150mVp-p	±2%	±1%	±3%
TR30M180	18 V	1.65 A	180mVp-p	±2%	±1%	±2%
TR30M240	24 V	1.25 A	240mVp-p	±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 measuring @20MHz BW.
3. Line regulation is measured from 100Vac to 240Vac with full load.
4. Load regulation is measured from 60% to 100% full load and from 60% to 20% full load (60% +/- 40% full load)

Mechanical Specification

UNIT: mm(Inches)

