

# TR30RAM

## 30W SWITCHING ADAPTER For Medical Product



### Features

- Universal Input : 90 ~ 264Vac
- Continuous Short Circuit Protection
- Over Voltage Protection
- High Efficiency, 75% Typical
- AC Plug Can Be Change
- Meet EN60601-1-2 and EN55011 Class B

### Specifications

#### INPUT CHARACTERISTICS:

Voltage ..... 90 ~ 264Vac  
 Frequency ..... 47 to 63Hz  
 Input Current ..... 50A max @264Vac  
 Conducted EMI ..... CISPR/FCC Class B  
 Isolation ..... Input to output =4.2kVDC  
 Leakage Current.....100µA max

#### ENVIRONMENTAL CHARACTERISTICS:

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

#### OUTPUT CHARACTERISTICS:

Hold-up Time ..... 10ms typ. @ 115Vac  
 Short Circuit Protection .....Continuous (Auto Recovery)  
 Over Voltage Protection ..... Yes

#### MECHANICAL CHARACTERISTICS:

Dimensions .....107.8x57.6x33.5mm(4.24x 2.27 x 1.32 Inches)  
 Weight .....280g (0.625 Pounds)

MODEL	OUTPUT VOLTAGE	MAX. LOAD	MIN. LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION
TR30RAM050	5.0 V	4.0A	0 A	1%	±2%	± 1%	±6%
TR30RAM090	9.0 V	3.0A	0 A	1%	±2%	± 1%	±3%
TR30RAM120	12 V	2.5A	0 A	1%	±2%	± 1%	±2%
TR30RAM150	15 V	2.0A	0 A	1%	±2%	± 1%	±2%
TR30RAM180	18 V	1.65A	0 A	1%	±2%	± 1%	±2%
TR30RAM240	24 V	1.25A	0 A	1%	±2%	± 1%	±2%

#### NOTE:

1. Voltage setpoint at 60% 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 measured from 100vac to 240vac , full load.
4. Load regulation measured from 60% to full load and from 60% to 20% load(60% +/- 40% load)

### Mechanical Specification

UNIT: mm(Inches)

