

TR30 RAM Series

20-30 WATTS - AC/DC SINGLE OUTPUT

MEDICAL

FEATURES

- Wide input voltage 90VAC to 264VAC
- Continuous short circuit protection
- Over voltage protection
- Output voltage available from 5VDC to 24VDC
- High efficiency 75% typical
- Interchangeable AC plugs
- Meets EN60601-1, EN55022 Class "B"
- MEPS compliane (Efficiency Mark V pending)



SPECIFICATIONS

INPUT	
Voltage range	90 to 264VAC
Frequency	47Hz to 63Hz
Inrush current	50A max @ 264VAC.
Input current	0.4A to 0.8A.
Isolation	Input to output 5,656VDC.
Leakage current	100µA max.

OUTPUT	
Output voltage	Factory preset, see table (not adjustable)
Voltage set-point	+2% to +4% (60% load)
Ripple and noise	1% p-p max
Short circuit protection	Continuous (Auto recovery)
Over voltage protection	Yes.
Hold-up time	10ms typ @ 115Vac
Load tegulation	+/-2 to +/-6% (20% to 100% load) model dependant
Line tegulation	+/-1% max at full load

ENVIRONMENTAL	
Operating temperature	0°C to +60°C
Storage temperature	-20°C to +85°C
Load derating	Derate from 100% at +40°C linearly to 60% @ +60°C

STANDARDS AND APPROVALS	
Safety standards	EN60601-1
C-Tick	AS/NZS CISPR11 Group 1, Class A
EMI standards	EN55011 Class B, CISPR/FCC Class B
RCM	Complies AS/NZS 4417 parts, 1, 2, 3 N 911

MECHANICAL	
Dimensions	108.7x62x36.7mm
Weight	300g
AC Inlet	Australian 2 pin standard, other AC plugs optional
Output connector	Right angle, hollow coaxial plug, 2.5mm inside diameter; 5.5mm outside diameter; 9.5mm length Center positive polarity.
DC Cord length	720mm with ferrite core 18AWG/UL1185.

SELECTION TABLE

MODEL NUMBER	RATED V _{NOM}	OUTPUT CURRENT	MAX POWER
TR30RAM050-S-21E11	5Vdc	4.0A	20W
TR30RAM090-S-21E11	9Vdc	3.0A	27W
TR30RAM120-S-21E11	12Vdc	2.5A	30W
TR30RAM150-S-21E11	15Vdc	2.0A	30W
TR30RAM180-S-21E11	18Vdc	1.65A	30W
TR30RAM240-S-21E11	24Vdc	1.25A	30W

TECHNICAL ILLUSTRATION

