TR30RAM Series

20-30 WATTS SINGLE OUTPUT AC/DC MEDICAL

Features

- **Wide input voltage 90VAC to 264VAC, 50/60Hz.**
- **Continuous short circuit protection.**
- **Over voltage protection.**
- **Output voltage available from 5VDC to 24VDC.**
- **High efficiency 75% typical.**
- **AC plug cab be change.**
- **Meets EN60601-1, EN55022 Class "B".**

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 Regulation	+/-2 to +/-6% (20% to 100% load)
Line Regulation	+/-1% max at full load

ENVIRONMENTAL

Operating Temperature	0°C to +40°C
Storage Temperature	-20°C to +85°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
MEPS compliance	TBC

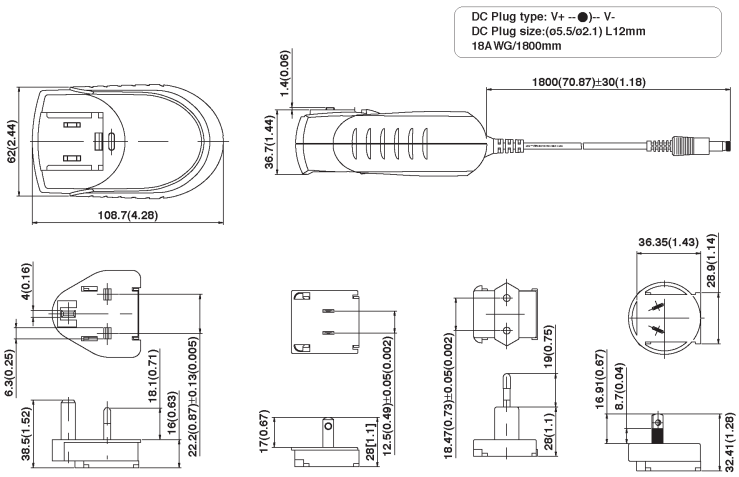
MECHANICAL

Dimensions	108.7x62x36.7mm
Weight	300g
AC Inlet	Australian 2 pin.
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 Vnom	OUTPUT CURRENT	MAX POWER
TR30RAM050-S-21A11	5Vdc	4.0A	20W
TR30RAM090-S-21A11	9Vdc	3.0A	27W
TR30RAM120-S-21A11	12Vdc	2.5A	30W
TR30RAM150-S-21A11	15Vdc	2.0A	30W
TR30RAM180-S-21A11	18Vdc	1.65A	30W
TR30RAM240-S-21A11	24Vdc	1.25A	30W

Technical Illustration



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