



30 Watt Medical Switching Wall Mount Adapter Series DVTR30RDM



Features

- Universal Input Range 80 – 264Vac
- Interchangeable AC Plugs
- Approved EN55011, FCC CFR47 Part 18 Class B
- Meets EN60335-1
- Approved EN60601-1-11 for Home Healthcare Applications
- Low Leakage Current <50µA
- Meets IP22
- Continuous Short Circuit Protection
- Over Voltage Protection
- Meet CoC Tier 2 & DoE Level VI
(Output cable length ≤1800mm)
(TR30RDM050: Output Cable Length ≤1220mm)
- No Load Power Consumption <75mW
- 2MOPP Class II

MODEL NUMBER	OUTPUT VOLTAGE [VDC]	MAX. LOAD [A]	MIN. LOAD [A]	RIPPLE & NOISE [mV p-p]	VOLTAGE ACCURACY [%]	LOAD REGULATION [%]	EFF. MIN. [%]
TR30RDM050	5,0	5,0	0	100	±2	±6	84
TR30RDM090	9,0	3,3	0	100	±2	±3	88
TR30RDM120	12	2,5	0	120	±2	±2	88
TR30RDM150	15	2,0	0	120	±2	±2	88
TR30RDM180	18	1,67	0	120	±2	±2	88
TR30RDM240	24	1,25	0	120	±2	±2	88

Ordering information

TR30RAMXXX - Model No.	XX DC Plug Type	G UL1571 with OVP	XX DC Cable Length and Type 01: 720mm 02: 1220mm 03: 1800mm 11: 720mm with Ferrite Core 12: 1220mm with Ferrite Core 13: 1800mm with Ferrite Core *16AWG / UL1571 or Equivalent for Vo: 5V, 9V *18AWG / UL1571 or Equivalent for Vo: 12V, 15V *22AWG / UL1571 or Equivalent for Vo: 18V, 24V	- Color of Top Case BK-BK: Black-Black BE-BK: Blue-Black RD-BK: Red-Black
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INPUT SPECIFICATIONS:

Input Voltage Range80-264Vac
 Frequency47 to 63Hz
 Input Current..... 0,8A max.
 Inrush Current (Cold start @ 25°C) 85A max. @240Vac
 Leakage Current.....50µA max.

OUTPUT SPECIFICATIONS:

Min. Load..... 0A
 Hold-up Time 10mS typ. @115Vac
 Short Circuit Protection... Hiccup Mode Continuous (Auto Recovery)
 Over Voltage Protection..... Latch

GENERAL SPECIFICATIONS:

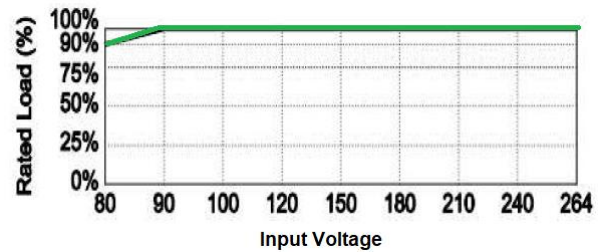
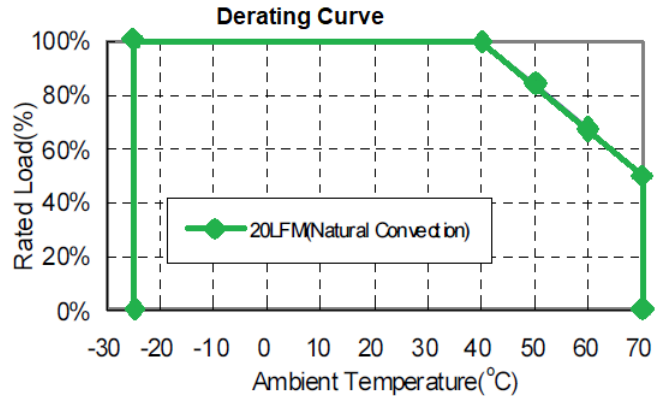
Isolation Input/Output.....4000VAC
 Operating Temperature Range-25°C to +70°C
 Derating see curve
 Storage Temperature Range-25°C to +85°C
 Humidity93% RH max. Non condensing
 Cooling Natural Convection
 Switching Frequency65KHz typ.
 MTBF (MIL-HDBK-217F, GB, at 25°C/115VAC)..... 380K hrs min.
 Life Time..... 26280 hours min. @ 75% Load, 40°C
 Altitude5000m
 Dimensions.....3.807x2.283x1.703 inches (96.70x58.00x43.25mm)
 Weight 200g typ.

SAFETY & EMC:

Emission & Immunity (Ed4.0)..... EN55011 , EN60601-1-2
 EN61000-3-2, EN61000-3-3, IEC61000-4-2,3,4,5,6,8,11
 FCC CFR47 Part 18 Class B
 Safety IEC60601-1:2005+A1,EN60601-1-11
 EN60601-1:2006+A11:2011+A1+A12
 ANSI/AAMI ES60601-1:2005/A1:2012

NOTE:

1. Add a 0,1µF ceramic capacitor and a 10µF E.L. capacitor to output for ripple & noise measurement @20MHz BW
2. Voltage setpoint at 60% full load.
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)
5. Efficiency measured at 75% load and input voltage is 230Vac.



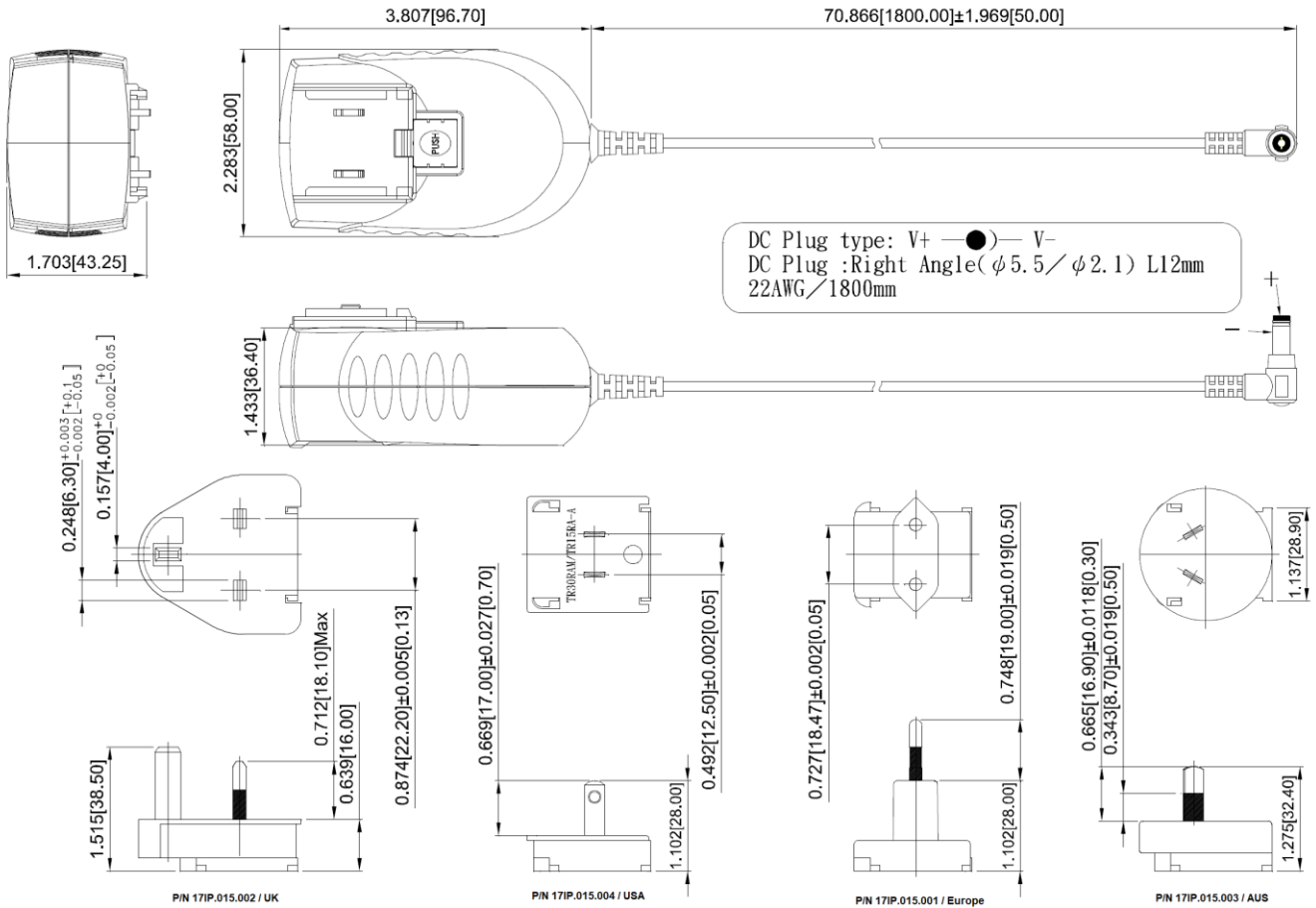
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4. Load regulation measured from 60% to full load and from 60% to 20% load (60%+/-40% load)
5. Efficiency measured at 75% load and input voltage is 230Vac.
6. Typical at 25°C, nominal line and 75% load, unless otherwise specified.

MECHANICAL SPECIFICATION

Series DVTR30RDM

All Dimensions in Inches (mm); Tolerance: x.xxx=±0.02, mm: x.xx=±0.5



Technische Änderungen vorbehalten / Specifications are subject to change without notice