

## 15 Watt Switching Adapter Wall Mount, Series DVTRE15



### Features

- Universal Input Range: 90 – 264Vac
- Meets EN55032 Class B and CISPR/FCC Class B
- No Load Power Consumption <75mW
- Continuous Short Circuit Protection
- Over Voltage Protection
- Approved IEC/EN/UL62368-1
- Meet CoC Tier 2 & DoE Level VI  
( Output Cable Length ≤1800mm )

MODEL NUMBER	OUTPUT VOLTAGE [ VDC ]	OUTPUT CURRENT MAX. [ A ]	RIPPLE & NOISE [ mVp-p ] Note 1	VOLTAGE ACCURACY [ % ] Note 2	LINE REGULATION [ % ] Note 3	LOAD REGULATION [ % ] Note 4	EFF. [ % ] Note 5
TRE15050	5	2,0	50	±2	±1	±4	79
TRE15090	9	1,4	90	±2	±1	±2	83
TRE15120	12	1,0	100	±2	±1	±2	83
TRE15150	15	1,0	100	±2	±1	±2	84
TRE15240	24	0,63	100	±2	±1	±2	84

- Note:
1. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measuring @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. Average Efficiency measured at 25%,50%,75%,100% load and input voltage is 115Vac / 230Vac.
  6. Typical at 25°C, nominal line and 75% load, unless otherwise specified

### Ordering information

TRE15XX - Model No.	X AC Plug Type A: USA 2 Pin E: Europe 2 Pin U: British 3 Pin	-	XX DC Plug Type	G UL1571 with OVP	XX DC Cable Length and Type 01: 720mm 02: 1200mm 03: 1800mm 11: 720mm with Ferrite Core 12: 1200mm with Ferrite Core 13: 1800mm with Ferrite Core * 20AWG for 5V, UL1571 or Equivalent * 18AWG for 9V, UL1571 or Equivalent * 24AWG for 12V, 15V, 24V, UL1571 or Equivalent
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### INPUT SPECIFICATIONS:

Input Voltage Range.....	90-264Vac
Frequency.....	47 to 63Hz
Input Current.....	0,5A max.
Inrush Current.....	Cold Start @ 25°C 50A max. @240Vac
Leakage Current.....	0,25mA max.

### OUTPUT SPECIFICATIONS:

Hold-up Time.....	10mS typ. @ 115Vac
Short Circuit Protection.....	Continuous (Auto Recovery)
Over Voltage Protection.....	IC Component to Clamp
Temperature Coefficient.....	±0.05% / °C

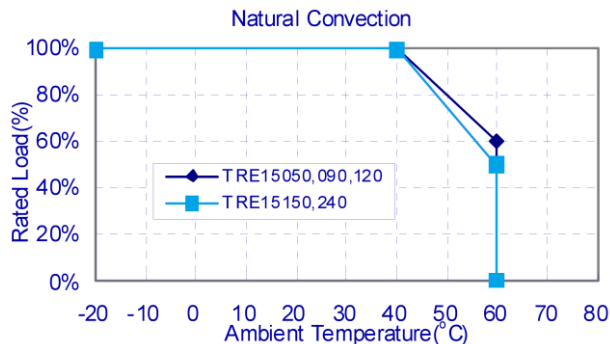
### GENERAL SPECIFICATIONS:

Isolation I/O.....	3000VAC
Operating Temperature Range.....	-20°C to +60°C (see derating curve)
Storage Temperature Range.....	-20°C to +85°C
Humidity.....	93% RH max. Non condensing
Cooling.....	Natural Convection
Switching Frequency.....	Full Load / 115V..... 85KHz typ. Full Load / 230V..... 65KHz typ.
MTBF ( MIL-HDBK-217F, GB, at 25°C/115VAC.....	330Khrs min.
Altitude.....	5000m
Dimensions.....	71,00 x 48,40 x 33,00 mm
Weight.....	100g typ.

### SAFETY & EMC:

Emission & Immunity.....	EN55032 Class B, FCC Part 15 Class B EN61000-6-3, EN61000-3-2, EN61000-3-3 EN55024, EN61204-3, EN61000-6-1
Safety.....	Class II, IEC/EN/UL60950-1 & IEC/EN/UL62368-1

## Derating Curve



# Mechanical Specification

# Series DVTRE15

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

FIG.E

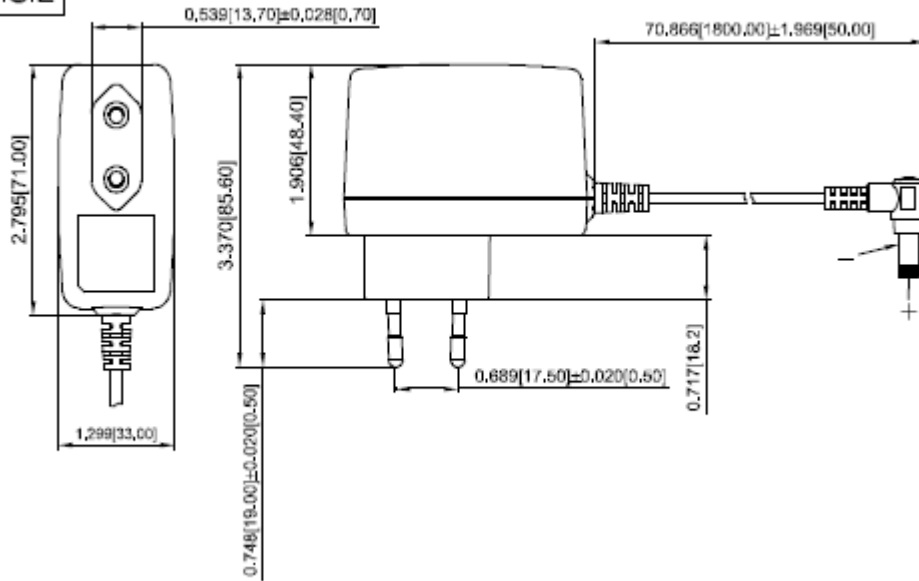


FIG.A

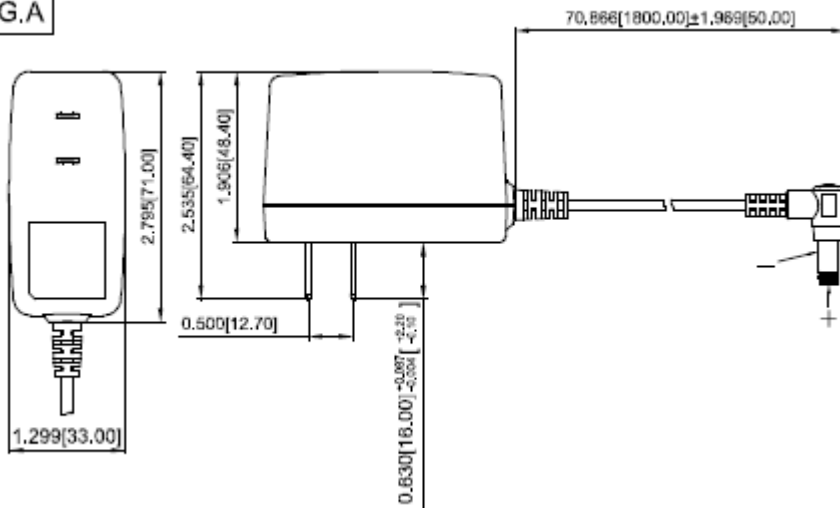
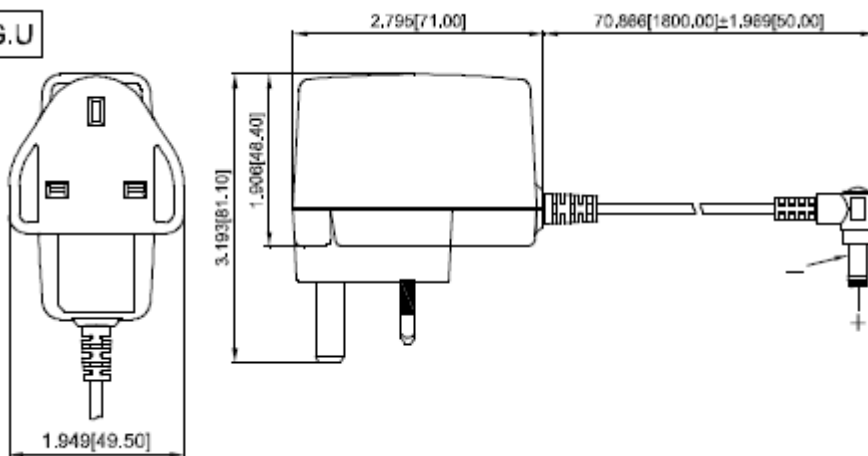


FIG.U



Technische Änderungen vorbehalten / Specifications are subject to change without notice