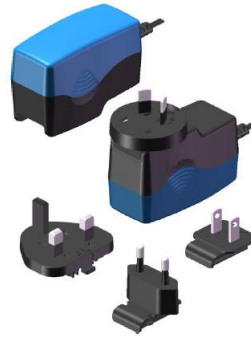




## 25 Watt Switching Adapter Wall Mount, Series DVTRE25RD



### Features

- Universal Input Range: 90 – 264Vac
- Interchangeable AC Plugs
- EMI Meets EN55032 Class B and CISPR/FCC Class B
- Over Voltage Protection
- Continuous Short Circuit Protection
- No Load Power Consumption <75mW
- Approved IEC/EN/UL62368-1
- Meet CoC V5 Tier 2 & DoE Level VI  
( Output Cable Length ≤1800mm )  
( TRE25RD050: Output Cable Length ≤ 1220mm )

MODEL NUMBER	OUTPUT VOLTAGE [ VDC ]	OUTPUT CURRENT MAX. [ A ]	RIPPLE & NOISE Note 1	VOLTAGE ACCURACY [ % ] Note 2	LINE REGULATION [ % ] Note 3	LOAD REGULATION [ % ] Note 4	EFF. MIN. [ % ]
TRE25RD050	5	4,0	50mVp-p	±2	±1	±6	83
TRE25RD090	9	2,5	1%	±2	±1	±5	86
TRE25RD120	12	2,1	1%	±2	±1	±5	87
TRE25RD150	15	1,67	1%	±2	±1	±3	87
TRE25RD180	18	1,4	1%	±2	±1	±2	87
TRE25RD240	24	1,05	1%	±2	±1	±2	87

- 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. Typical at 25°C, nominal line and 75% load, unless otherwise specified.

### Ordering information

TRE25RDXXX-	X	XX	G	XX
Model No.	AC Plug Type A: USA 2 Pin E: Europe 2 Pin U: British 3 Pin S: Australia 2 Pin	DC Plug Type	UL1571 with OVP	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 / UL1571 or Equivalent * 16AWG / UL1571 or Equivalent for 5V * 18AWG / UL1571 or Equivalent for Vo: 9V

### INPUT SPECIFICATIONS:

Input Voltage Range.....	90-264VAC 120-370VDC
Frequency.....	47 to 63Hz
Input Current.....	0,7A max.
Inrush Current.....	Cold Start @ 25°C 60A max. @240Vac
Conducted EMI.....	CISPR/FCC Class B
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

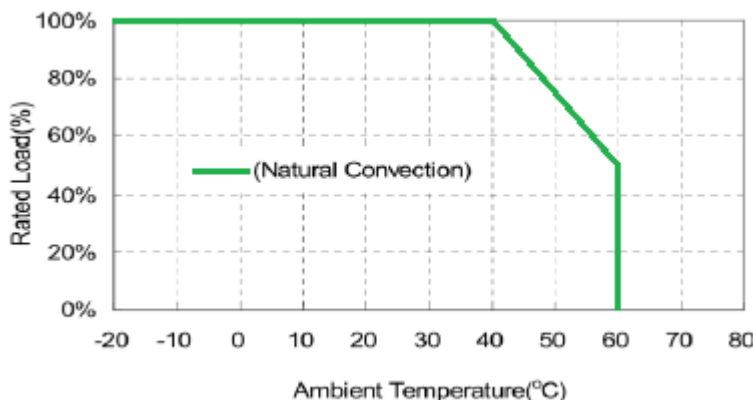
### GENERAL SPECIFICATIONS:

Isolation Input/Output.....	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.....	65KHz typ.
MTBF ( MIL-HDBK-217F, GB, at 25°C/115VAC.....	300Khrs min.
Life Time.....	Ambient 40degC 75% Load...>3 Years
Altitude.....	3000m
Dimensions.....	72,00x 57,00 x 33,00 mm
Weight.....	140g typ.

### SAFETY & EMC:

Emission & Immunity.....	EN55032 Class B, FCC Part 15 Class B EN61000-3-2, EN61000-3-3, EN61000-6-3, EN55024, EN61204-3, EN61000-6-1
Safety.....	Class II, IEC62368-1/60950-1, UL62368-1(60950-1, EN62368-1/60950-1

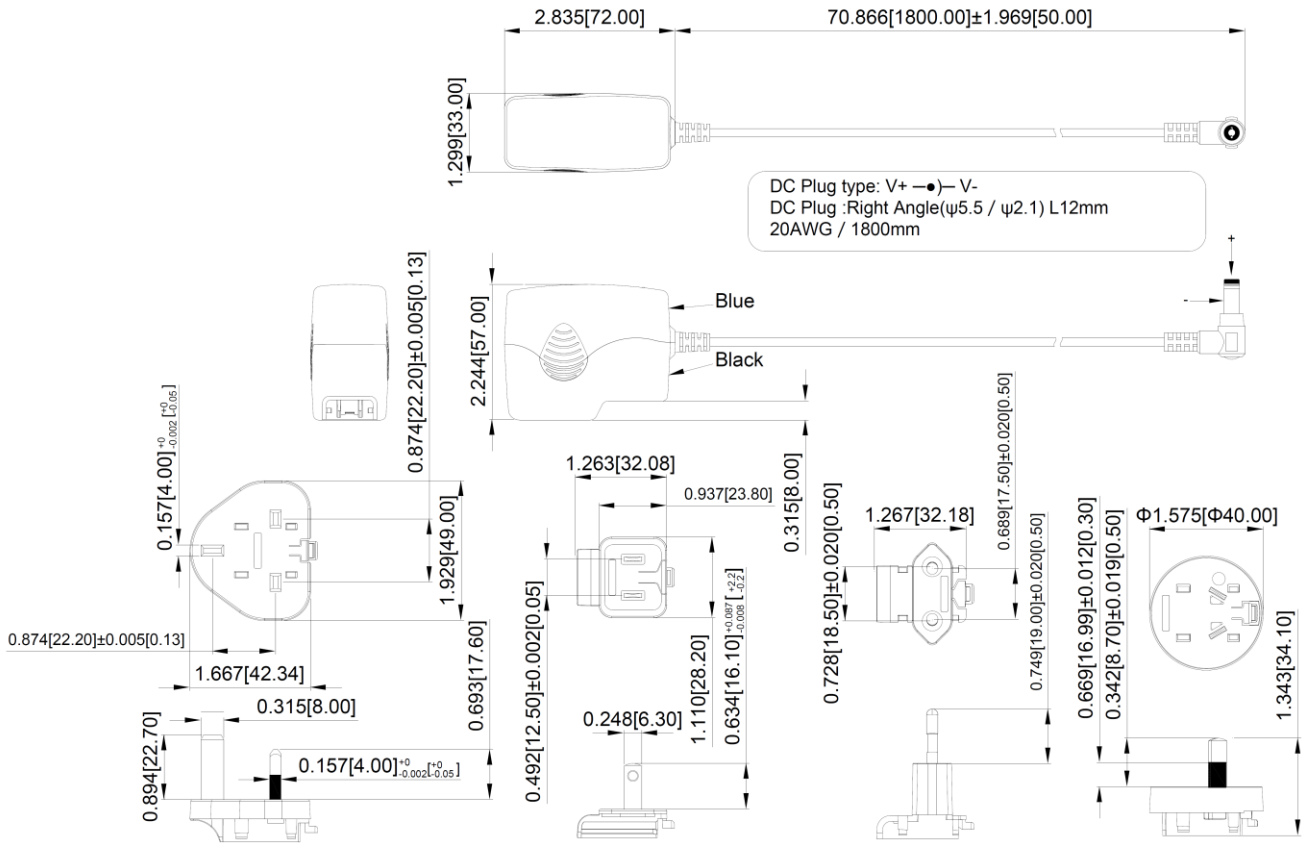
## Derating Curve



# Mechanical Specification

# Series DVTRE25RD

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



Technische Änderungen vorbehalten / Specifications are subject to change without notice