

25 Watt Switching Adapter Wall Mount, Series DVTRE25



Features

- Universal Input Range: 90 – 264Vac
- Meets EN55032 Class B and CISPR/FCC Class B
- Continuous Short Circuit Protection
- Over Voltage Protection
- No Load Power Consumption <75mW
- Approved IEC/EN/UL62368-1
- Meet CoC V5 Tier 2 & DoE Level VI
(Output Cable Length ≤1800mm, TRE25050: ≤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. TYP. [%]
TRE25050	5	4	50mVp-p	±2	±1	±6	83
TRE25090	9	235	1%	±2	±1	±5	86
TRE25120	12	2,1	1%	±2	±1	±5	87
TRE25150	15	1,67	1%	±2	±1	±3	87
TRE25180	18	1,4	1%	±2	±1	±2	87
TRE25240	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

TRE25XXX-	X	-	XX	G	XX
Model No.	AC Plug Type		DC Plug Type	UL1571 with OVP	DC Cable Length and Type
	A: USA 2 Pin				01: 720mm
	E: Europe 2 Pin				02: 1200mm
	U: British 3 Pin				03: 1800mm
					11: 720mm with Ferrite Core
					12: 1200mm with Ferrite Core
					13: 1800mm with Ferrite Core
					* 20AWG / UL1571 or Equivalent
					* 16AWG for 5V, UL1571 or Equivalent
					* 18AWG for 9V, UL1571 or Equivalent

INPUT SPECIFICATIONS:

Input Voltage Range.....	90-264Vac
Frequency.....	47 to 63Hz
Input Current.....	0,7A max.
Inrush Current.....	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

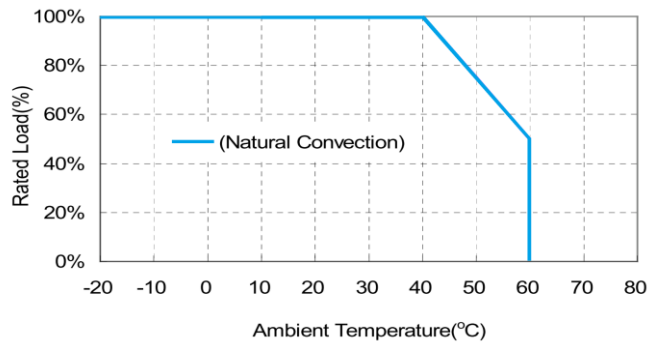
GENERAL SPECIFICATIONS:

Isolation 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.....	65KHz typ.
MTBF (MIL-HDBK-217F, GB, at 25°C/115VAC.....	300Khrs min.
Altitude.....	2000m
Dimensions.....	71,00 x 48,40 x 33,00 mm
Weight.....	140g 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

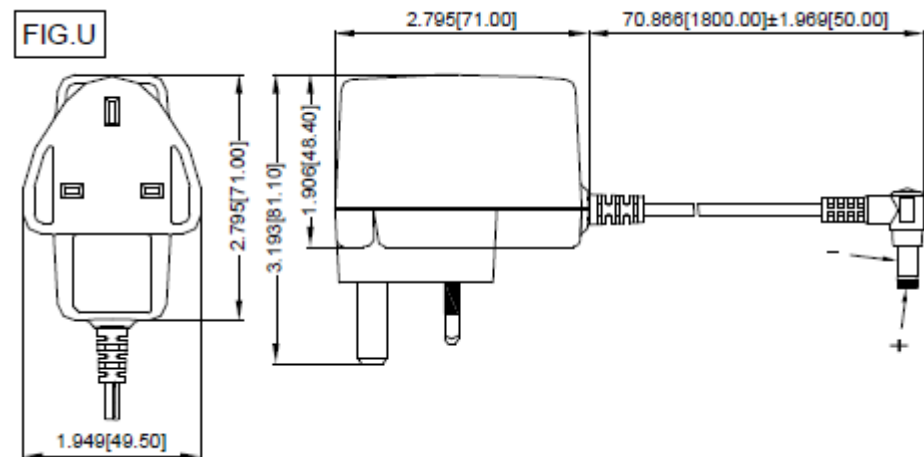
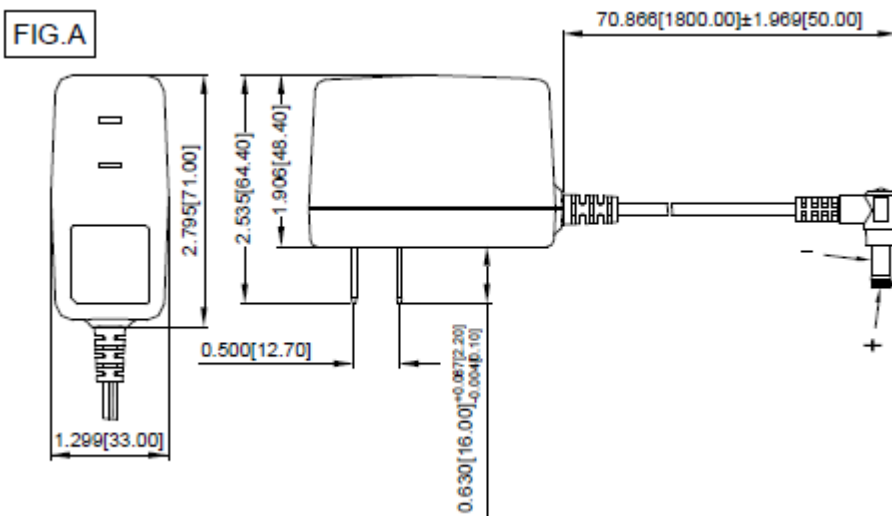
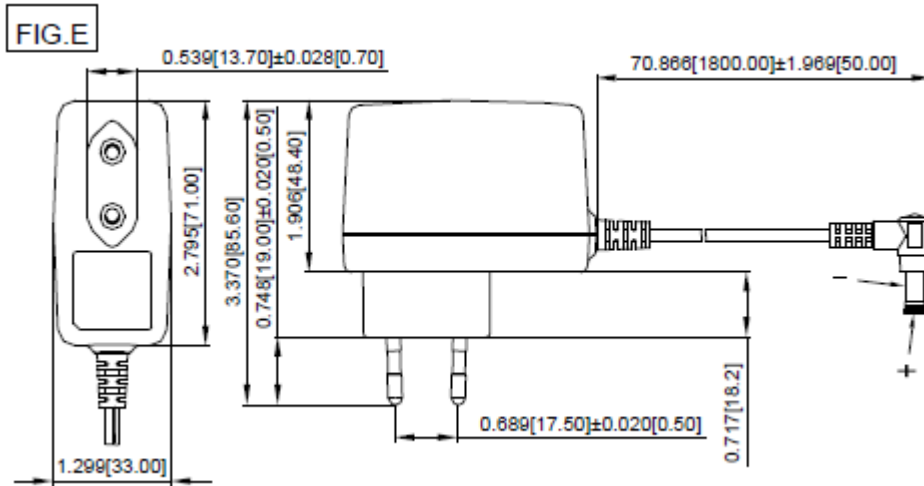
Derating Curve



Mechanical Specification

Series DVTRE25

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