



36 Watt Switching Adapter Desk Top, Series DVTRE36



Features

- Universal Input Range 90-264VAC
- Meets EN55032 Class B and CISPR/FCC Class B
- Approved IEC62368-1, UL62368-1, EN62368-1
- Continuous Short Circuit Protection
- Over Voltage Protection
- No Load Power Consumption <75mW
- Meet CoC Tier 2 & DoE Level VI

(Output cable length \leq 1800mm)

(TRE36A050: Output Cable Length \leq 1220mm)

- Class II

MODEL NUMBER	OUTPUT VOLTAGE [VDC]	OUTPUT CURRENT [A]	RIPPLE & NOISE [mVp-p] NOTE1	VOLTAGE REGULATION [%] NOTE2	LOAD REGULATION [%] NOTE3	LOAD REGULATION [%] NOTE4	EFF. TYP. [%] NOTE5
TRE36A050	5	5,0	100	± 2	± 1	± 6	85
TRE36A090	9	3,3	120	± 2	± 1	± 4	88
TRE36A120	12	2,5	120	± 2	± 1	± 2	89
TRE36A135	13,5	2,4	130	± 2	± 1	± 2	89
TRE36A150	15	2,4	150	± 2	± 1	± 3	89
TRE36A180	18	2,0	180	± 2	± 1	± 2	89
TRE36A240	24	1,5	240	± 2	± 1	± 2	89
TRE36A360	36	1,0	360	± 2	± 1	± 2	89
TRE36A480	48	0,75	480	± 2	± 1	± 2	89

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. Efficiency measured at 75% load and input voltage is 230VAC.
6. Typical at 25°C, nominal line and 75% load, unless otherwise specified.

Ordering information

TRE36AXXX - Model No.	XX DC Plug Type	X G: UL1571 with OVP E: UL1185 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 *18AWG/UL1571 or Equivalent for Vo: 9V,12V,13,5V *20AWG/UL1571 or Equivalent for Vo: 15V,18V,24V *20AWG/UL1185 or Equivalent for Vo: 36V,48V
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INPUT SPECIFICATIONS:

Input Voltage Range..... 90-264Vac
 Frequency 47 to 63Hz
 Input Current 0,9A max
 Inrush Current Cold start@ 25°C100A max. @240Vac
 Leakage Current..... 0,25mA max.

OUTPUT SPECIFICATIONS:

Hold-up Time..... 10mS typ. @115Vac
 Short Circuit Protection...Hiccup Mode Continuous (Auto Recovery)
 Over Voltage Protection .IC Component to Clamp (Auto Recovery)
 Temperature Coefficient..... ±0,05%/°C

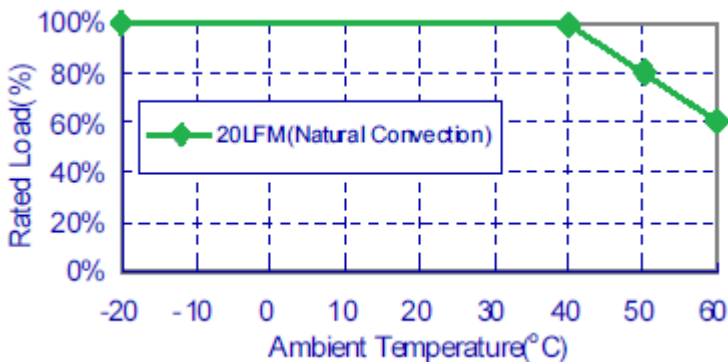
GENERAL SPECIFICATIONS:

Isolation Input to 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) 860K hrs min.
 Altitude 5000m
 Dimensions 110x45x22,50mm
 Weight..... 150g
 AC Inlet IEC320/C8

SAFETY & EMC:

Emission & Immunity EN55032 Class B, FCC Part15 Class B
 EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4
 EN61000-3-2, EN61000-3-3, EN55024, EN61204-3
 Safety Class II, IEC/EN/UL60950-1 & IEC/EN/UL62368-1

Derating Curve:



MECHANICAL SPECIFICATION

All dimensions in Inches [mm]
 Tolerance: mm: x.xx=±0.5, Inches: x.xxx=±0.02

