



70 Watt Switching Adapter Desk Top, Series DVTRH70A



Features

- Universal Input Range 90 – 264Vac
- Continuous Short Circuit Protection
- Meets EN55032 Class B and CISPR/FCC Class B
- Over Voltage Protection
- Meet CoC Tier 2 & DoE Level VI
- No load Power consumption <150mW
- Approved IEC/EN/UL62368-1
(Output Cable Length \leq 1800mm)
(TRH70A120: Output cable length \leq 720mm)
(TRH70A150: Output cable length \leq 1220mm)
(TRH70A180, TRH70A190: Output Cable Length \leq 1800mm 16AWG)

MODEL NUMBER	OUTPUT VOLTAGE [VDC]	OUTPUT CURRENT [A]	RIPPLE & NOISE [%] (Note1)	VOLTAGE ACCURACY [%] (Note2)	LINE REGULATION [%] (Note3)	LOAD REGULATION [%] (Note4)	EFF. MIN. [%] (Note5)
TRH70A120	12	5.8	1	± 2	± 1	± 4	89
TRH70A150	15	4.65	1	± 2	± 1	± 3	89
TRH70A180	18	3.9	1	± 2	± 1	± 2	89
TRH70A190	19	3.7	1	± 2	± 1	± 2	89
TRH70A240	24	3.0	1	± 2	± 1	± 2	89
TRH70A280	28	2.5	1	± 2	± 1	± 2	89
TRH70A360	36	2.0	1	± 2	± 1	± 2	89
TRH70A480	48	1.5	1	± 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. 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

TRH70AXXX - Model No.	XX DC Plug Type	E 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 / UL 1185 for 12V, 15V, 18V, 19V *18AWG / UL 1185 for 24V, 28V, 36V, 48V
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Technische Änderungen vorbehalten / Specifications are subject to change without notice

INPUT SPECIFICATIONS:

Input Voltage Range..... 90-264Vac
 Frequency..... 47 to 63Hz
 Input Current..... 1.5A max.
 Inrush Current..... Cold Start@25°C 100A max @ 240Vac
 Leakage Current..... 3,5mA max.

OUTPUT SPECIFICATIONS:

Hold-up Time 8ms typ. @ 115Vac
 Short Circuit Protection Continuous (Auto Recovery)
 Over Voltage Protection TVS Component to Clamp
 Temperature Coefficient..... ±0,05%/°C

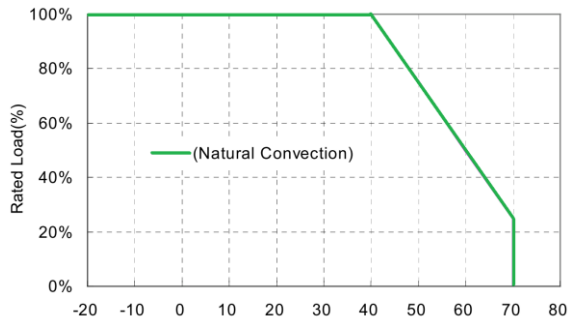
GENERAL SPECIFICATIONS:

Isolation Input/Output 3000Vac
 Operating Temperature Range -20°C to +70°C
 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)..... 200K hrs min.
 Altitude..... 5000m
 Dimensions 120x52x31mm (4,724x2,047x1,220 inches)
 Weight..... 300g typ.
 AC Inlet IEC320/C14

SAFETY & EMC:

Emission & Immunity..... EN55032 Class B, FCC Part15 Class B
 EN61000-6-3, EN61000-3-2, EN61000-3-3
 EN55024, EN61204-3, EN61000-6-1
 Safety..... Class I, IEC/ENUL60950-1, IEC/EN/UL62368-1

Derating Curve



MECHANICAL SPECIFICATION

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

