

TP143A

35W Power supply designed for a high end electrostatic headphone tube amplifier.



Model ref: TPMS-35-7-A

OVERVIEW

- 35W power supply
- 3 converters
 - : Main converter with a nominal output power of 27W providing +12.6V and $\pm 15V$
 - : Auxiliary converter with a nominal output power of 4W providing a continuous +5V and a switched +7V output
 - : A high-voltage converter of nominal 8W providing a +260V and +780V output voltage
- The switched +7V output , main converter and high-voltage converter can be switched on and off by an external input
- Low standby power

APPLICATION

- High end electrostatic headphone tube amplifier

INPUT

- Universal input voltage range : 90 - 264 Vac
- Input power : Pin < 500mW at 5V/25mA
- Leakage current : 1 mA RMS max.
- Efficiency : > 78%
- Class I

OUTPUT

- Nominal output power : 35W
- Max. total output power : 68W
- Multiple output voltages
 - : +5V
 - : +7V
 - : +12.6V
 - : +15V
 - : -15V
 - : +260V
 - : +780V

PROTECTIONS

- Under / overvoltage protection
- Overload / short circuit protection
- Automatic latch-off functionality
- Automatic fault recovery (hiccup restart) functionality
- Overtemperature protection : The aux. converter switches-off when an overtemperature condition at the primary switcher is met
- Microprocessor controlled protections

CERTIFICATES

- CE marked



SAFETY & EMC

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|--------------------|---------------------|
| • IEC/EN/UL 60065 | • IEC/EN/UL 62368-1 |
| • IEC/EN 61558-1 | • EN 55014 |
| • 2014/35/EU | • 2004/108/EC |
| • IEC/EN 61000-3-2 | • IEC/EN 61000-3-3 |
| • IEC/EN 61000-4-2 | • IEC/EN 61000-4-3 |
| • IEC/EN 61000-4-4 | • IEC/EN 61000-4-5 |
| • IEC/EN 61000-4-6 | • IEC/EN 61000-4-11 |
| • IEC/EN 61000-6-1 | • IEC/EN 61000-6-2 |
| • IEC/EN 61000-6-3 | • IEC/EN 61000-6-4 |

COOLING

- Limited air convection

CONSTRUCTION

- Enclosed frame : Nickel plated steel

CONNECTIONS

- Input : 3 pins mains C14 appliance inlet in accordance with IEC EN60320
- Output : 4 wire bundles with 2 to 6 pins connectors

DIMENSIONS & WEIGHT

- Dimensions (L X W X H) : 226 x 50 x 70 mm
: 9 x 2 x 2.8 inch
- Weight : 0.85 KG