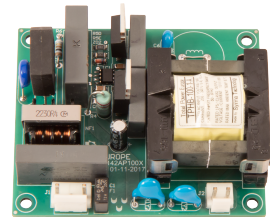


TP142A

96W half-bridge power supply is specially designed for a confetti streamer shooter. Due to a low inrush current and low leakage current, up to 30 power supplies can be connected in parallel and energized at the same time.



Model ref: TPHB-100-1-A

OVERVIEW

- 96W half-bridge power supply
- Current source output
- Start-up is typically 3mSec
- Custom made

APPLICATION

- Confetti streamer shooter

INPUT

- Input voltage range : 200 - 264Vac
- Leakage current :
- Efficiency : > 85%
- Class II

OUTPUT

- Nominal output power : 96W
- Peak output power : 240W (1 sec.)
- Single output voltage : +12V
- 60950-1 LPS / UL 1310 Class 2 (output limited to 100VA for max 5 seconds)

PROTECTIONS

- Output power protection : The output power is internally limited to 120 +/- 20W
- Automatic latch-off functionality : In case the output impedance is less than 1.0 Ohm the power supply latches off within 1200 +/- 200mSec
: Switch-off timer: the converter latches-off after 4.5 +/- 0.5 seconds
- Overload / short circuit protection
- Microprocessor controlled protections

SAFETY & EMC

- IEC/EN/UL 60950-1 LPS
- IEC/EN/UL 60335-1

• UL1310 Class 2	• IEC/EN 61558-1
• EN 55022-1	• IEC/EN 61000-6-1
• IEC/EN 61000-6-2	• IEC/EN 61000-6-3
• IEC/EN 61000-6-3	• IEC/EN 61000-6-4
• 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
• 2011/65/EC ROHS	• 1907/2006/EC REACH

COOLING

- Free air convection

CONSTRUCTION

- Open frame

CONNECTIONS

- | | |
|----------|--------------------|
| • Input | : 3 pins connector |
| • Output | : 2 pins connector |

DIMENSIONS & WEIGHT

- | | |
|--------------------------|----------------------|
| • Dimensions (L X W X H) | : 74 x 62 x 30 mm |
| | : 3 x 2.4 x 1.2 inch |
| • Weight | : 0.2 KG |