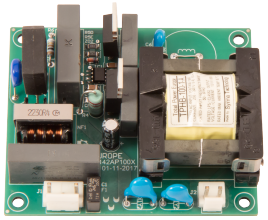
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TP142A

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