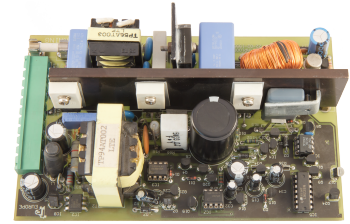


TP94A

Power supply used to supply a control board (part of railway system). The PSU has a time protected high peak output power of 120W. AC and DC input.



Model ref: TPMS-24-1-A

OVERVIEW

- 25W power supply
- Extrem wide input voltage range both AC and DC
- 2 stage converter
 - : 1st stage is a boost converter
 - : 2nd stage is a flyback converter using current regulation
- Operating temperature: -25 to +55 °C
- Excellent performance on dynamic load changes
- Custom made

APPLICATION

- Control board (part of a railway system)
- High voltage switches

INPUT

- Universal input voltage range : 38 – 254 Vac/dc
- Efficiency : > 65%

OUTPUT

- Nominal output power : 25W
- Peak output power : 120W
- Single output voltage : +24Vdc

PROTECTIONS

- Overload / short circuit protection
- Overload / short circuit protection
- Automatic fault recovery (hiccup restart) functionality

CERTIFICATES

SAFETY & EMC

- IEC/EN/UL 60950-1

COOLING

- Free air convection

CONSTRUCTION

- Open frame

CONNECTIONS

- | | |
|----------|-----------------------------|
| • Input | : 10 pins Phoenix connector |
| • Output | : 10 pins Phoenix connector |

DIMENSIONS & WEIGHT

- | | |
|--------------------------|----------------------|
| • Dimensions (L X W X H) | : 160 × 100 × 45 mm |
| | : 6.3 × 4 × 1.8 inch |
| • Weight | : 0.44 KG |