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Switched mode power supply TP94A

25W Power supply with a time protected peak power output of twice the nominal rated value



Overview TP94A

- 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

Detailed specifications

Input

- Wide universal voltage range: 38 - 254 Vac/dc
- Efficiency: > 65 %

Output

- Single output voltage: 24Vdc
- Nominal output power: 25W
- High peak output power: 120W

Protections

- Overload / Short circuit protection
- Under/overvoltage protection
- Automatic recovery functionality

Safety & EMC

- EN 60950

Cooling

- Free air convection

Mechanical construction

- Open frame construction

Connection

- Input/Output: 10 pins Phoenix connector

Dimensions & weight

- Size (L x W X H): 160 x 100 x 45 mm
6,3 x 4 x 1,8 inch
- Weight: 0,44 KG