

Transpower Applications Ltd

TPS300/600

Special Features

- 300W and 600W DC suppressor
- Removes input over voltage surges
- Baseplate cooled
- Clean, reliable power in vehicles

Description

- Intended to operate from electrically noisy supplies such as those found on vehicles, these power suppressors remove the harmful surges and spikes which could destroy DC/DC converters
- Built on aluminium baseplate, the TPS300/600 surge suppressors are built to survive in hostile environmental conditions

Electrical Specification Unit

- Input range 18V to 40VDC
- DC input surge protected to over 200V
- Reverse polarity protection to -40V
- Output and input isolated case
- Up to 300W of power through TPS300 and 600W through TPS600

Output

- Limited to 40VDC during worst case surges on the input
- Output follows input between 18 and 40V input with less than 0.36V drop
- Output power continues through surges; so called “ride through”

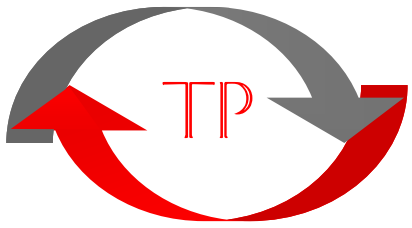


Environmental Performance

- -40°C to +85°C baseplate temperatures
- MIL-STD-1275D / DO-160 / DEFSTAN 61-5 part 6 issue 6 surge ride through
- Rugged design to withstand vibration up to tracked standards
- Conformal coating on circuit boards available as an option
- Encapsulated construction

Physical Specification

- 61mm x 61mm for 600W
- 61mm x 37mm for 300W
- 2.3mm PCB pins for connection
- M3 female mounting bushes in bottom surface
- All stainless steel fixings



Physical Outline

