



Special Features

- 600W DC/DC converter
- One or two regulated outputs
- Baseplate cooled
- Withstands input surges
- Clean, reliable power in vehicles

Description

- Intended to operate from electrically noisy supplies such as those found on vehicles. These power systems offer clean, regulated output power by riding through voltage surges.
- Built in a rugged aluminium chassis with stud connections, the TPS327 is ideally suited to mount within a sealed cabinet for environmental protection.

Electrical Specification Unit

- Input range 18V to 40VDC
- DC input surge protected to over 200V
- Able to withstand overloads and shorts on the outputs
- Outputs isolated from input and case
- Lower cost version for high volume applications operating from clean supplies

Output

- 12V 25A and 12V 25A dual outputs
- 24V 12.5A and 24V 12.5A dual outputs
- 28V 9A and 28V 9A dual outputs
- 48V 6A and 48V 6A dual outputs
- All dual outputs can be used as a single output. Eg 12V 50A



Environmental Performance

- -40°C to +85°C baseplate temperatures
- Rugged design to withstand vehicle vibration up to tracked standards
- Conformal coating on circuit boards available as an option
- Mil Std 461 emissions compliant
- Mil Std 1275D / DO160 / DEFSTAN 61-5 part 6 issue 6 surge ride through

Physical Specification

- 230mm x 94mm x 40mm aluminium chassis
- M4 stud connections
- M3 female mounting bushes in bottom surface, stainless steel
- All stainless steel fixings



Transpower Applications Ltd

TPS327

Physical Outline

