

DD 11/32-9 036

11V to 32V Input to 9V Voltage Converter

The unit has the following key benefits:

- Quick and easy to connect
- Power rating to 36W continuous (45W intermittent)
- Switch mode design with efficiency typically 85%
- Low quiescent current (<30mA)
- Internal protection against over current, transients and overheating.



Technical Data

Input voltage range	Wide Input nominal (11V-32V)
Output voltage	9.0Vdc +/- 10%
Continuous Current Rating	9.0V output rated at 4A continuous
Intermittent Current Rating	9.0V output rated at 5A taken for a maximum of 2 minutes followed by 8 minutes rest.
Transient voltage protection	Meets ISO7637-2 International standard for 24Vdc commercial vehicles
Electrostatic voltage protection	Meets ISO10605, ISO14982, >8kV contact, 15kV discharge
Output noise	<50mV pk-pk
Off load current (quiescent current)	<30mA
Power conversion efficiency	Typically: 85%
Operating temperature	-25°C to +30°C to meet this specification table +30°C to +80°C de rate linearly to 0A
Storage temperature	-25°C to +100°C
Operating humidity	95% max., non-condensing
Casework	Anodised aluminium, dust water and impact resistance to IP533
Connections	Four 6.3mm push-on flat blade connectors
Weight & Dimensions	Weight: 225g. Dimensions: 89 (L), x 87 (W), x 50 (H) mm
Mounting method	"Click "n" Fit" mounting clip, fitted separately using three hole fixing
Safe area protection: Over current	Limited by current sensing circuit
Over heat	Limited by temperature sensing circuit
Transients	Protected by filters and rugged component selection
Catastrophic failure	Protected by internal input and output fuses
Approvals	2004/108/EC The general EMC directive Reg 10 The automotive directive 93/68/EEC The CE marking directive
Markings	E marked (E13 10R 046198) CE marked