

Land Vehicle Power System Protection

Per MIL-STD-1275

General Description

This product line is designed to provide over-voltage and transient protection for DC powered electronic systems in mobile land vehicle equipment per MIL-STD-1275.



The products protect electronic instruments against transients, surges and voltage fluctuations that are inherent in military land vehicles (as described in MIL-STD-1275).

This series consists of a variety of products to comply with all requirements of MIL-STD-1275, including polarity protection, over-voltage protection and short circuit protection.

RFI filters to provide additional immunity per MIL-STD-461 are optional and frequently included.

Protection is provided for equipment loads, beginning as low as a few Amps through more then 100 Amps.

These products are realized in standard electronic package sizes and in any specific configuration, per customer request.

Typical Specifications

Comply with MIL-STD-1275 in all versions.

Input steady-state voltage: 18 to 32 Vdc

Current rating: > 100 AMP (per application)

Transient surge: 100V@50mSec

Transient spike: ± 250Vpk@15mJoul

Output voltage per transients: 34 to 36 Volts

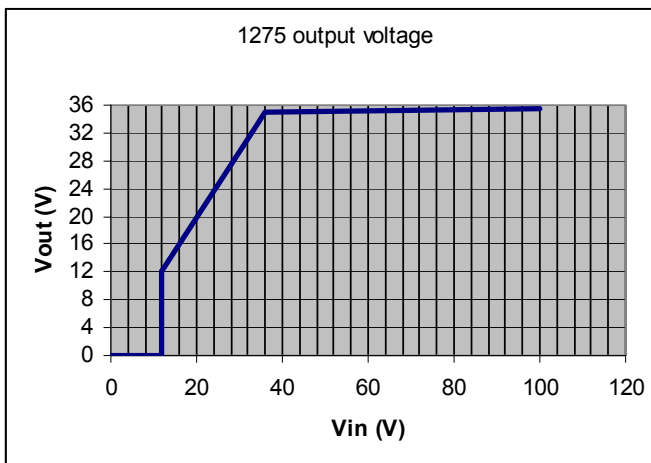
Polarity protection: provided

Shut down option: provided

Dropout voltage: 1V Max (per application)

Return line: floated / not floated (per application)

EMI filtration: Differential-Mode and Common-Mode (per application)



Applications

Any electronic equipment that is mounted in a military vehicle

**USA Contact: Guest Associates, Huntsville, AL
Dr. Bill Goldberg, (256) 705-5378**



120 Amp protector

Performance subjected to changes without prior notice

JAN 08/LVPSC/A1