

Land Vehicle Power System Conditioner

Per MIL-STD-1275



General Description

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

The products protect electronic instruments against over and under transients, surges and voltage fluctuations that are inherent in 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, output over-voltage protection and short circuit protection.

RFI filters to provide additional immunity per MIL-STD-461 are also included.

Protection is provided for equipment loads, beginning as low as a few Amps through more than 25 Amps.

These products can be realized in any configuration per customer request.

Typical Specifications

Comply with MIL-STD-1275 in all versions.

Input steady-state voltage: 18 to 32 Vdc

Input under voltage: 15 Vdc minimum

Output voltage: 24Vdc regulated*

Current rating: > 25 AMP (per application)

Transient surge: 100V@50mSec

Transient spike: ± 250Vpk@15mJoul

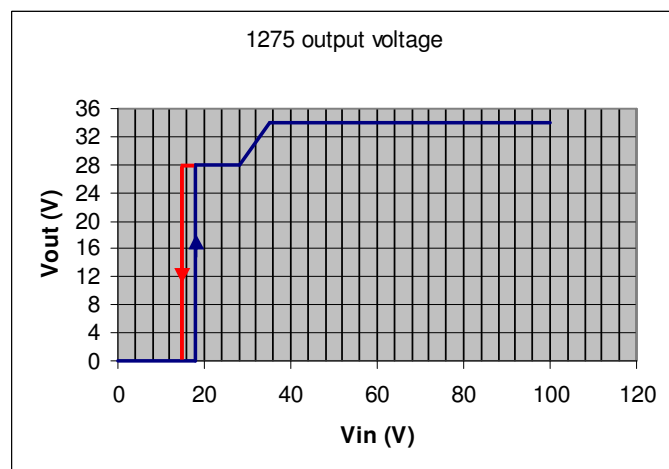
Polarity protection: provided

Shut down option: provided

Return line: floated / not floated (per application)

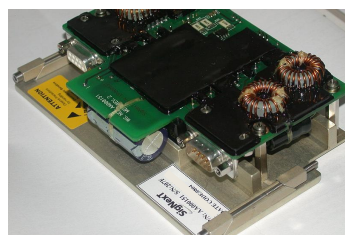
EMI filtration: Differential-Mode and Common-Mode

*Output voltage may vary per customer request



Applications

Any electronic equipment that is mounted in a military vehicle



PCB style



Stand alone box

Performance subjected to changes without prior notice

JAN 08/LVPSC/A1