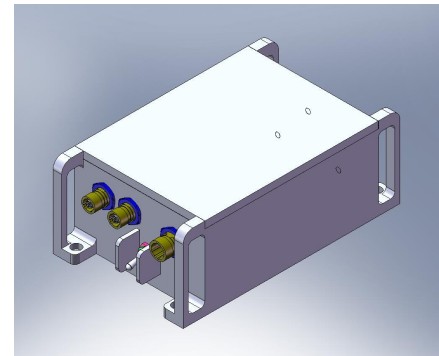


Military Aviation Power System Conditioner

Per MIL-STD-704

General Description

This product line is designed to provide over and under voltage and transient protection for DC powered electronic systems in airborne equipment per MIL-STD-704.



The products protect electronic instruments against over and under voltage transients, surges and voltage fluctuations that are inherent in the aircraft power bus (as described in MIL-STD-704).

This series consists of variety of products to comply with all requirements of MIL-STD-704, 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 then 25 Amps.

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

Typical Specifications

Comply with MIL-STD-704 in all versions.

Input steady-state voltage: 16 to 30 Vdc

Input under voltage: 16 Vdc minimum

Output voltage: 28Vdc regulated*

Current rating: > 25 AMP (per application)

Transient surge: 80V@100mSec

Transient spike: ± 600Vpk@50µSec

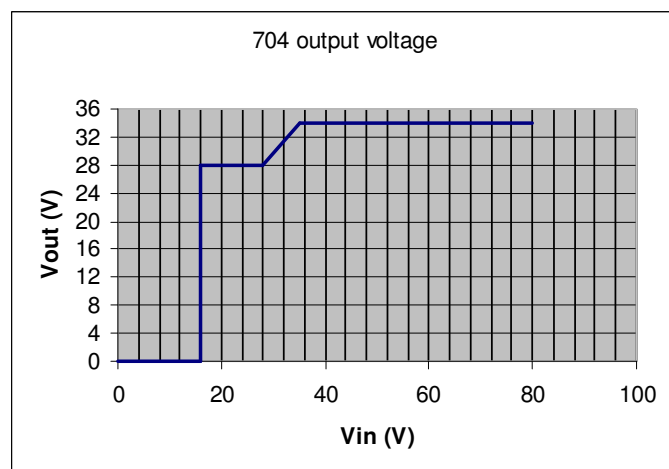
Polarity protection: provided

Shut down option: provided

Return line: floated / not floated (per application)

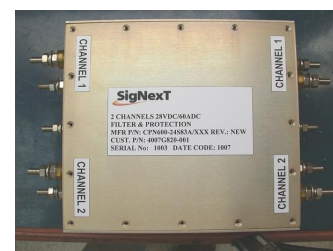
EMI filtration: Differential-Mode and Common-Mode

* Output voltage may vary per customer request



Applications

Any electronic equipment that is mounted in a military aircraft



Performance subjected to changes without prior notice

JAN 08/LVPSC/A1