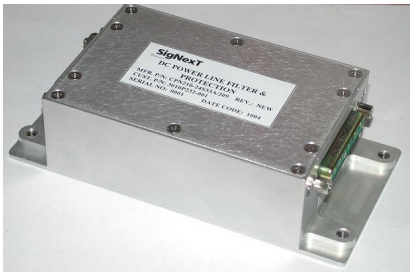
Military Aviation Power System Protection

Per MIL-STD-704



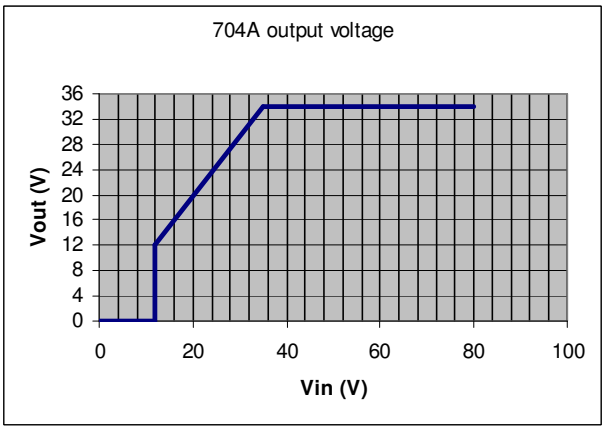
General Description

This product line is designed to provide over-voltage and transient protection for aircraft DC powered electronics or avionics systems per MIL-STD-704.

The products protect electronic instruments against transients, surges and voltage fluctuations that are inherent in the aircraft's power bus (as described in MIL-STD-704).
This series consists of a variety of products to comply with all requirements of MIL-STD-704, 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-704 in all versions.
Input steady-state voltage: 16 to 30 Vdc
Current rating: > 100 AMP (per application)
Transient surge: 80V@100mSec
Transient spike: ± 600Vpk@50µSec
Output voltage per transients: 34 to 36 Volts
Polarity protection: provided
Shut down option: provided per demand
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 aircraft

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

One Ch. of 120Amp or two Ch's of 60Amp

Performance subjected to changes without prior notice

JAN 08/LVPSC/A1