

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.

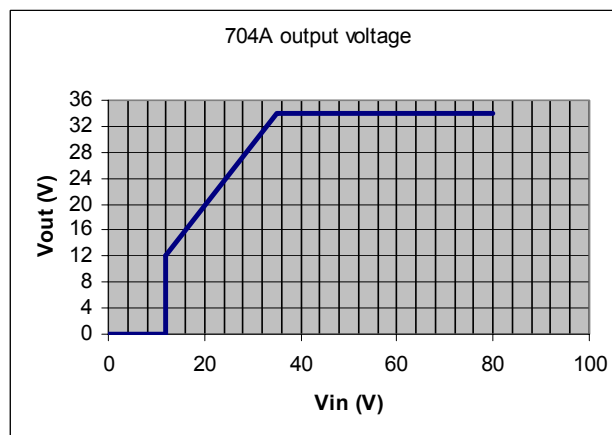
RFI filters to provide additional immunity per MIL-STD-461 are optional and frequently included.

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

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

Performance subjected to changes without prior notice

JAN 08/LVPSC/A1