

AIRBORNE POWER CONVERTER

TACTICAL FIGHTER APPLICATION



Espey Mfg. designed and manufactures this airborne power supply for final application on F-16 tactical fighter aircraft. The power supply is one of three (3) LRU's produced by Espey for the avionics and weapon system(s).

Features:

- Multiple Output DC/DC Converter
- High power density (5W/in³)
- Extensive BIT circuitry for integration into avionics system
- Qualified to uninhabited fighter aircraft environment extremes
- High Efficiency
- High Reliability

Specifications:

Electrical Specifications

- Input: 28VDC per MIL-STD-704A
- Outputs:

+5VDC	-2.2VDC
-5.3VDC	+12VDC
+15VDC	-12VDC
-15VDC	-3.5VDC
+2VDC	+5VDC

- Regulation: 2%
- Efficiency: 78%

Mechanical Specifications

- Size: 5.5" X 10.5" X 1.0"
- Weight: 2.1 kg
- Temperature: -40°C to +90°C
Case Temp