

POWER SUPPLIES

High Voltage

- **HVPS and GRID MODULATOR**
- **Airborne Radar Application**



Features:

- Qualified to airborne environment extremes
- Qualified to MIL-E-5400T

Espey developed this power supply for the F-111 coherent 2.75 kW TWT radar transmitter system for a prime military contractor program. Espey designed the high voltage module and has delivered several hundred production units. The small, solid state, high voltage module includes a 12 kV power supply with grid modulator. The unit is driven by a 30 kHz square wave 440 V pk-pk.

Specifications:

Electrical Specifications

- **Input Voltage:** 440 V pk-pk 30 kHz
- **DC Output Voltages:** -10 to -12 kV
- **Pulse Current:** 1.8 Amps
- **Max PRF :** 15 kHz
- **Power Consumption:** 200 Watts

Mechanical Specifications

- Liquid filled Convection cooled
- **Size:** 8"x7.3"x7.9"
- **Weight:** 26 lbs.
- Sealed steel case with integral bellows

Rev. A