

POWER SUPPLY

HIGH VOLTAGE POWER SUPPLY

TRANSFORMER RECTIFIER UNIT (TRU) - AIRBORNE RADAR APPLICATION



This unit is a high voltage power supply, which is used in the E-2C Hawkeye Airborne Surveillance Radar. The unit is the High Voltage DC power source for the DC resonant charging circuit of the E-line modulator in the radar transmitter.

Features:

- Full MIL-E-5400H Class 1 Environment, 35,000 foot altitude
- 35,000 hour MTBF
- Overload protection
- Output Voltage monitor
- Rectifier snubbers

Specifications:

ELECTRICAL SPECIFICATIONS

- Input Voltage: 115 volts 400 Hz MIL-STD-704 (Category B)
- Input Current: 64 Amps AC RMS per phase
- Output Voltage: 6260 VDC +5%, -0% @ 3 amps
- Output current: 3.3 Amps Average
- Efficiency: 97%
- No Load Voltage: 8000 Volts Maximum

MECHANICAL SPECIFICATIONS

- Weight: 85 lbs.
- Size: 19" x 6" x 14"
- Operating Temp: -54 to +71°C
- Liquid Cooled: FC-77 @ 11.6 GPM

GE-6K2-PS