

High Voltage Power Solutions

Military High Voltage Power Supply

CCM-25-05

Military High Voltage Power Supply

- ◆ 25kV @ 1.8 mA, multiple outputs
- ◆ Adjustable focus and G2 outputs
- ◆ Buffered focus and grid 2 monitoring outputs
- ◆ Grid 2 fast shunting-to-ground upon remote shutdown
- ◆ TTL-compatible remote shutdown input
- ◆ Built-in test (BIT) circuitry
- ◆ Thousands of field-proven units



Model CCM-25-05 military high-voltage power supply is designed to power high-resolution, high-brightness cathode ray tubes for military avionics display applications.

Utilizing a resonant-pulse-width, modulated-high-efficiency converter topology, Model CCM-25-05 provides regulated anode, focus, and grid potentials from a low-voltage DC source. Anode voltage is a low-ripple, fixed DC voltage. Low-ripple focus and grid 2 voltages can be adjusted by means of potentiometers located on the unit exterior. When potentiometers are utilized with referenced unit voltages, focus and grid 2 potentials are tightly controlled, allowing for complete item interchangeability without adjustment. Grid 1 potential is a low-ripple, fixed DC voltage, suitable for cutoff biasing of the CRT. Model CCM-25-05 also incorporates full ATE testability.

Thousands of field-proven units utilized in full military applications demonstrate Rantec's high reliability performance. The modular design approach of this HVPS enables efficient long-term maintainability.

**Rantec Power Teaming
Engineers Offer Technical
Assistance to:**

Evaluate Power System Requirements
Develop Power System Architecture
Reduce Time to Market



Rantec Power Systems Inc.

