

High Voltage Power Supply Is Compact



HiTek Power has added an RS232-controlled variant to its XRG70 series of compact high voltage power supplies. The XRG70-703 RS232 offers an output voltage range of 0 to 70 kV at 0 to 1 mA and maximum output power of 700 W. The unit also incorporates a 5.5 VDC, 3.5 A grounded filament power supply.

The new supply is a member of HiTek Power's grounded-filament range of products designed for use in grounded-cathode applications. The filament supply is automatically controlled by the integral beam-current loop control and the power stage uses a current-fed resonant push-pull converter to give high efficiency while ensuring reliable operation.

The combination of surface-mount technology, high-voltage stress control, and innovative packaging techniques ensures a compact, but highly reliable product. The XRG70-703 RS232 measures 140 mm wide × 73 mm high × 233 mm deep and weighs only 3.3 kg.

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