

## ENGINEERING DATA SHEET

### MINI – CRT POWER SUPPLY TE P/N 177-044



## BRIEF OUTLINE DESCRIPTION

Miniature triple power supply for CRTS. Adjustable High Voltage, Focus, and G2 sections.

### HIGH VOLTAGE SECTION

- Adjustable from 0 to 8 kV by potentiometer or by fixed resistor
- Power supply: from 15 to 80 V (can be customized to any voltage in between)
- Frequency running > 200 kHz
- Output current 150  $\mu$ A
- Efficiency @ 150  $\mu$ A = 80 %
- Line and load regulation: better than  $10^{-4}$
- Running temperature: -40°C to +70°C
- Storage temperature: -50°C to +85°C
- Ripple < 3 V @ 150  $\mu$ A

### FOCUS VOLTAGE SECTION

- Adjustable from 900 V to 2 kV by potentiometer
- Power supply: from 15 to 80 V (can be customized to any voltage in between)
- Frequency running > 200 kHz
- Output current 150  $\mu$ A
- Efficiency @ 150  $\mu$ A = 80 %
- Line and load regulation: better than  $10^{-4}$
- Running temperature: -40°C to +70°C
- Storage temperature: -50°C to +85°C
- Ripple < 3 V @ 150  $\mu$ A

### G2 VOLTAGE SECTION

- Adjustable from 350 V to 800 V by potentiometer
- Power supply: from 15 to 80 V (can be customized to any voltage in between)
- Frequency running > 200 kHz
- Output current 5  $\mu$ A
- Line and load regulation: better than  $10^{-4}$
- Running temperature: -40°C to +70°C
- Storage temperature: -50°C to +85°C
- Ripple < 0.3 V @ 5  $\mu$ A