

0 to + or - 1250 VDC @ 1 Watt
CPMT, CPMTN



The C Series is a line of miniature, regulated power supplies featuring high stability and low ripple. The output voltage is programmable via a 0 to 5 volt programming voltage. These models exhibit very low ripple, noise, and EMI/RFI by utilizing a quasi-sinewave oscillator, excellent filtering

techniques, and an isolated steel enclosure featuring a separate grounding pin. An externally accessible potentiometer provides adjustable gain trim, allowing for individual calibration of units. Positive and negative voltages are available.

FEATURES

- Miniature Size
- Very Low Ripple
- External Gain Adjust
- 0 to 100% Programmable Output
- Low Power Draw
- Steel Case with Isolated Ground
- Wide Input Voltage Range
- Excellent EMI/RFI Shielding
- PCB Mountable

APPLICATIONS

- Photomultiplier Tubes
- Avalanche Photodiodes
- Piezo Devices
- Precision Lenses
- Electrophoresis

PHYSICAL CHARACTERISTICS

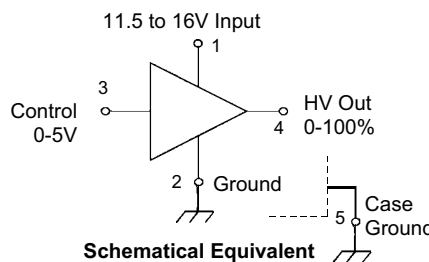
- SIZE: 1.1 x 1.4 x 0.5 (35.5 x 28 x 12.5)
- WEIGHT: 1.1 Ounce (31 Grams)
- PACKAGING: Epoxy Encapsulated
- CASE MATERIAL: Zinc Plated Steel
- PINS: 0.03 (.76) Diameter, 0.20 Long (5.08)

ELECTRICAL SPECIFICATIONS

- INPUT VOLTAGE: 11.5 to 16 Volts
- OUTPUT VOLTAGE: See Table
- OUTPUT CURRENT: See Table
- CONTROL VOLTAGE: 0 to 5 Volts, <100 µA
- RIPPLE: See Table
- OPERATING TEMP: -10° to +60° C

| MODEL | OUTPUT VOLTAGE | OUTPUT*1 CURRENT | TYPICAL INPUT CURRENT | | TYPICAL RIPPLE | |
|-------|----------------|------------------|-----------------------|-----------|----------------|-----------|
| | | | NO LOAD | FULL LOAD | NO LOAD | FULL LOAD |
| CPMT | 0 to 1,250 | 1 mA | <35mA | <170mA | <0.002% | <0.004% |
| CPMTN | 0 to -1,250 | 1 mA | <50mA | <190mA | <0.002% | <0.003% |

*Note 1. At Maximum Rated Output Voltage.



| PIN # | FUNCTION |
|-------|-------------------------|
| 1 | Input |
| 2 | Ground |
| 3 | Control Volt 0-5 V |
| 4 | Output |
| 5 | Case (must be grounded) |

Dimensional Tolerances: ± .03 (.76)
(Metric Equivalents in Parentheses)

