



GAMMA

MINIATURE REGULATED

HIGH VOLTAGE POWER SUPPLIES

PCB/MOUNTABLE

SERIES: MCR

8 Models: 0 - 300 VDC to 0 - 5000 VDC

FEATURES:

- Low Ripple < .001%
- Small case size
- Low cost
- PCB Mounting
- Positive or Negative Output
- Internal Reference Available
- Arc over & short circuit protected

The flexible design of the series
can be adapted to special
requirements.



Model Guide

MODEL	VOLTAGE	CURRENT
MCR-0.3*	0-300V	0-5mA
MCR-0.6*	0-600V	0-2.5mA
MCR-1.0*	0-1,000V	0-2mA
MCR-1.5*	0-1,500V	0-1.25mA
MCR-2.0*	0-2,000V	0-1mA
MCR-2.5*	0-2,500V	0-.75mA
MCR-3.0*	0-3,000V	0-.5mA
MCR-5.0*	0-5,000V	0-.25mA

*All units are available in positive or negative polarity. Add P or N as suffix to Model Number to indicate polarity desired.

Applications

- Photomultiplier Tubes
- Solid State Detectors
- Analytical Instruments
- Spectral Source Lamps
- Ink Jet Printers
- Gas Chromatography



GAMMA HIGH VOLTAGE RESEARCH INC.

Designers/Manufacturers-High Voltage Power Supplies

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PIN GUIDE

Pin Number	Description
1	No Connection
2	+10V Reference
3	Control Voltage Input
4	Output Voltage Monitor
5	Power Input +24VDC $\pm 2\%$
6	Signal Common
7	Ground
8*	High Voltage Output

**In Units Above 3KV, High Voltage
Connection is Via 8" Silicon Wire
.125" O.D., Pin 8 Ground.*

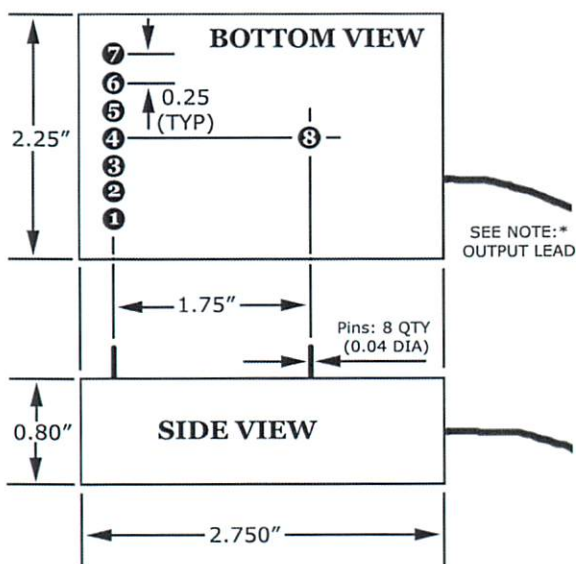
ELECTRICAL CHARACTERISTICS

Input Voltage: +24VDC $\pm 2\%$
Input Current: 200mA typical @Full Load
Output Voltage: see model guide
Output Current: see model guide
Program Voltage: 0 to +10V
Program Input Impedance: >100K ohms
Voltage Monitor: 0 to +10V = 0 to max. output
Polarity: Fixed (Positive or Negative)
Ripple: 0.001%
Line Regulation: 0.005%
Load Regulation: 0.005%
Stability: .005% / hour (30min warm up)
Temp. Coefficient: 0.01% / $^{\circ}\text{C}$

PHYSICAL CHARACTERISTICS

Dimensions: 2.75" x 2.25" x .80" (H)
Pins: 8 (0.04" diameter)
Case: Aluminum
Weight: 5 oz.

PC Board Mounting



PROGRAMMING INTERFACE

