



# 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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## SERIES: MCR

### 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.*

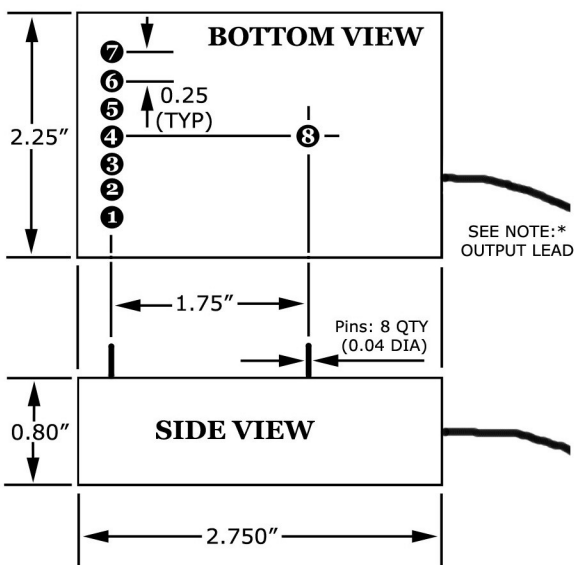
### ELECTRICAL CHARACTERISTICS

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% / °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

