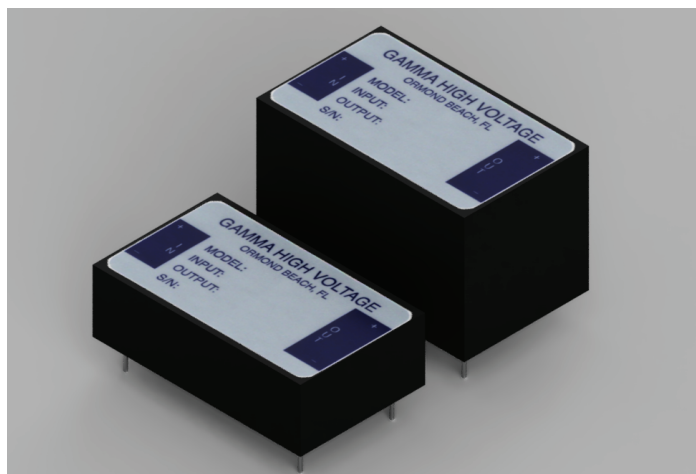


FEATURES:

- Low Cost
- Output Proportional to Input
- Input/Output Floating
- High Input/Output Isolation
- Short Circuit And Reverse Polarity Protected
- Compact (2.8 cu. in.)
- Fully Encapsulated

APPLICATIONS:

- Medical Electronics
- Photomultipliers
- Ionization Chambers
- Geiger Tubes



MODEL GUIDE

MODEL	OUTPUT VOLTAGE RANGE	OUTPUT POLARITY	OUTPUT CURRENT
MC5	50V to 500 VDC	Reversible	6mA
MC15	150V to 1.5K VDC	Reversible	2mA
MC30	300V to 3K VDC	Reversible	1mA
MC50	500V to 5K VDC	Reversible	200uA
MC100P	1KV to 10K VDC	Positive	200uA
MC100N	1KV to 10K VDC	Negative	200uA
MC150P	1.5KV to 15K VDC	Positive	160uA
MC150N	1.5KV to 15K VDC	Negative	160uA
MC200P	2KV to 20K VDC	Positive	150uA
MC200N	2KV to 20K VDC	Negative	150uA

DESCRIPTION:

The **Gamma "MC"** Series provides a high voltage source in a miniature package. Output voltage is proportional to the input, and is linear from approximately 10% to maximum output voltage. This series incorporates high frequency power supply techniques allowing 5KV at 3 watts to be achieved in 2.8 cubic inches. 10KV, 15KV and 20KV size is 5.6 cubic inches.

Maximum input voltage required is 12VDC* having a positive or negative polarity. Input/output isolation allows the user to select an output of either polarity on Models up to 5KV. *15 VDC input is required for output voltage of 15KVDC, 24VDC input is required for output voltage of 20KVDC.

10KV, 15KV and 20KV units have a fixed polarity, either Positive or Negative.

The compact size of the **GAMMA "MC"** Series facilitates PC Board mounting. All units are overload, short circuit and reverse polarity protected.



MC SERIES

10 MODELS COVERING THE Range of 50 VDC to 20 KVDC

ELECTRICAL CHARACTERISTICS

Input Voltage: 1.75V to 12VDC (UP TO 10KVDC)
 1.75V to 15VDC (15KVDC Model)
 3.5V to 24VDC (20KVDC Model)

Input Current: 400mA (Models up to 10KV)
 300mA (15KV Model)
 375mA (20KV Model)

Output Voltage: Proportional to Input (see Model Guide)

Output Current: 3 Watts maximum (see Model Guide)

Load Regulation: 5% (½ to full load)

Ripple: 1% P/P (typical)

PHYSICAL CHARACTERISTICS

Dimensions: 1.5" x 2.5" x .75" (up to 5KV)
 1.5" x 2.5" x 1.5" (10,15 & 20KV)

Volume: 2.8 cu. in. (up to 5KV)
 5.6 cu. in (10, 15 and 20KV)

Weight: 4oz (up to 5KV)
 7oz (10, 15 and 20KV)

Packaging: Solid Encapsulation

Terminations: 4PC Pins (.043 dia holes) (up to 5KV)
 3. PC Pins (0.43 dia holes)(10,15 & 20KV)

PC BOARD MOUNTING

ENVIRONMENTAL CHARACTERISTICS

Temperature Range: -20° to +60° C

