

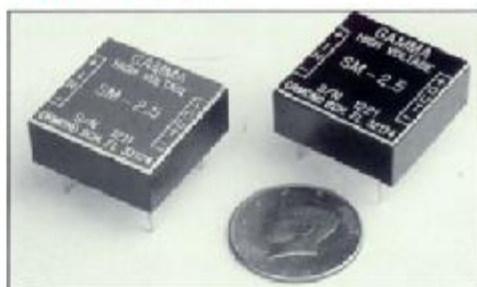
SERIES SM

6 MODELS:

0 - 250 VDC
To
0 - 3000 VDC

FEATURES:

- Low Cost / High Reliability
- Small (.98 Cubic Inch)
- PC Board Mounting
- Output Proportional To Input
- Operates On 12VDC (max)
- Input / Output Floating
- High Input / Output Isolation >3500 VDC
- Short Circuit and Reverse Polarity Protected



DESCRIPTION:

The GAMMA "SM" Series provides a line of high voltage DC to DC converters. Their small size and PC Board mountability make them ideally suited for low current, high voltage applications.

Output voltage is proportional to the input voltage and is linear from approximately 10% to maximum output voltage. The high converter frequency allows the low output ripple to be further reduced by addition of an external output capacitance.

The floating output configuration enables the user to choose either positive or negative output.

Circuit topography permits these units to be customized to meet individual customer requirements.

APPLICATIONS:

- Ink Jet Printers
- Photo Detectors
- Gas Chromatography
- CRT Focus & Bias
- Geiger Tubes
- Ionization Chambers
- Photomultiplier Tubes

ELECTRICAL CHARACTERISTICS:

Input Voltage:	0 to 12 VDC
Input Current:	95 mA (F.L.) Nominal
Output Voltage:	Proportional to Input (See Table)
Output Current:	See Table
Load Regulation:	5% (1/2 load to full load)
Ripple:	< 0.5% P-P
Insulation Strength:	> 3500 VDC Input/Output

PHYSICAL CHARACTERISTICS:

Dimensions:	1.25" x 1.25" x .63" (H)
Volume:	.98 cubic inch
Weight:	Approximately 1.5 oz.
Packaging:	Solid Encapsulation
Terminations:	4pc pins (.043 dia. holes)

ENVIRONMENTAL CHARACTERISTICS:

Temperature Range: -20° to +70°C

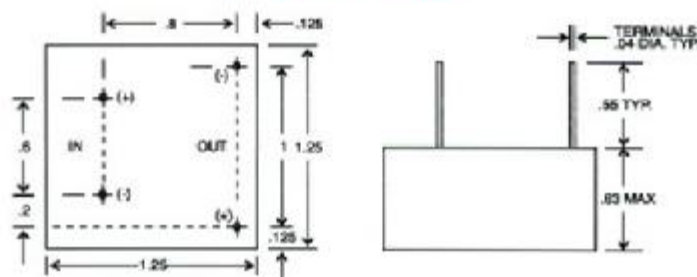
ELECTRICAL SPECIFICATIONS:

MODEL	OUTPUT VOLTAGE*	OUTPUT CURRENT
SM-2.5	0 to 250VDC	2 mA
SM-5	0 to 500VDC	1 mA
SM-10	0 to 1000VDC	250 uA
SM-15	0 to 1500VDC	200 uA
SM-25	0 to 2500VDC	200 uA
SM-30	0 to 3000VDC	100 uA

* output linear from approximately 10% to maximum output voltage

In addition to standard units, SM units are available at higher power levels in the same size.
Consult Factory

PC BOARD MOUNTING



BOTTOM VIEW