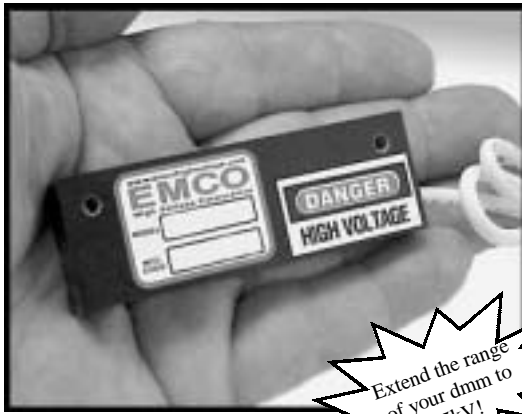


Miniature High Voltage Divider

Model V1G

www.emcohighvoltage.com
EMCO
 High Voltage Corporation



Extend the range of your dmm to 25kV!

For laboratory measurement, system test point, or control loop feedback, our precision, low drift, high voltage divider provides a low voltage output from voltages as high as 25,000 VDC. The 1000:1 divider is internally compensated for your digital multimeter's 10 meg ohm input impedance. Ratio tolerance is 1% and temperature drift is a low 50 PPM. This divider provides a low cost solution to high voltage measurement

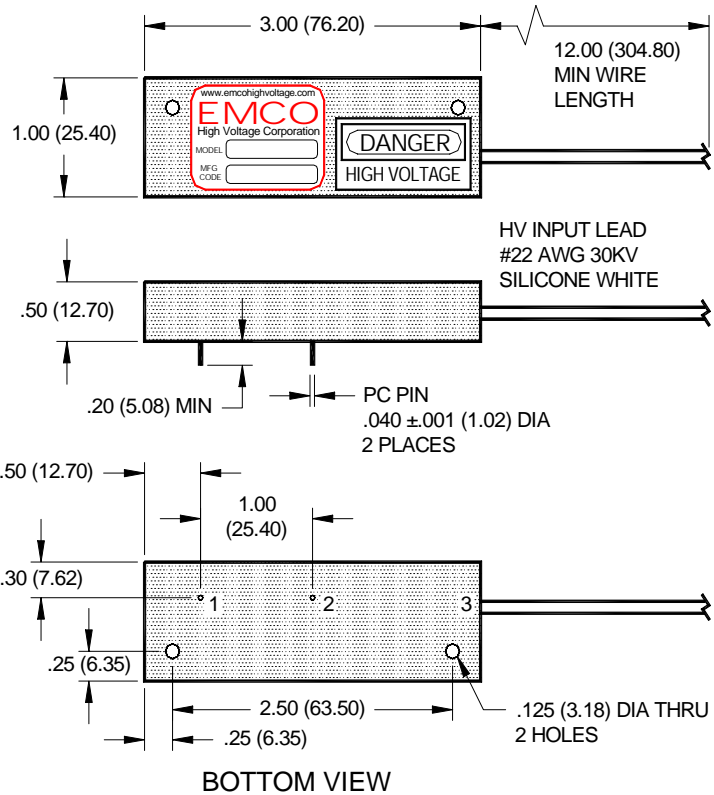
measurement without the expense and bulk of a probe, and without the danger of an exposed resistor. Using our high voltage encapsulation techniques, the divider is protected from the problems that occur when high voltage is exposed to dust and moisture. PC pins and mounting holes make this module ideal for PCB mounting. The high voltage connection is made through a 30 kV silicone wire.

PHYSICAL CHARACTERISTICS

SIZE: 3 x 1 x 0.5 (76.2 x 25.4 x 12.7)
 WEIGHT: 1 Ounce (28.3 grams) Approx.
 PACKAGING: Fully Encapsulated
 CASE MATERIAL: Black Glass/Epoxy
 WIRE: 30 kV Silicone Wire #22 AWG
 MOUNTING: PC Pins/Mounting Holes

ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE: 1,000 to 25,000 VDC
 RATIO: 1000:1 into 10 MΩ
 RATIO TOLERANCE: <1%
 RATIO TEMP COEFFICIENT: <75 ppm/°C
 TOTAL RESISTANCE: 1,000 MΩ
 OPERATING TEMP: -10° to +60°

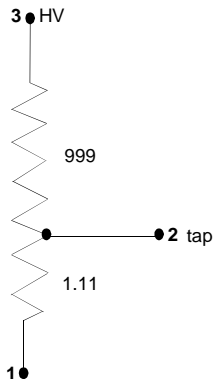


OUTLINE DRAWING

Dimensions are in Inches
 Dimensional Tolerances: ± .03 (.76 mm)
 (Metric Equivalentents in Parentheses)

Pin #	Function
1	Ground
2	Output
3	HV Input

SCHEMATIC DIAGRAM



e-mail sales@emcohighvoltage.com
 Web site www.emcohighvoltage.com

Phone (209) 267-1630 Fax (209) 267-0282
 70 Forest Products Road, Sutter Creek CA 95685