25 kV Voltage Divider

- Up to 25 kV Input Voltage
- Output Ratio 1000:1
- Miniature Encapsulated Package
- HV Input via 30 kV Silicone Wire
- Low Voltage Output via PCB Pins

The V1G high voltage divider was designed for laboratory measurement, system test point, or control loop feedback, our precision, low drift, high voltage divider provides a low voltage output from input voltages as high as 25,000 VDC. The 1000:1 divider is internally compensated for your digital multimeter's 10 Mohm input impedance. Ratio tolerance is 1% and temperature drift is <75 ppm/°C.

This divider provides a low cost solution to high voltage 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.

Dimensions:

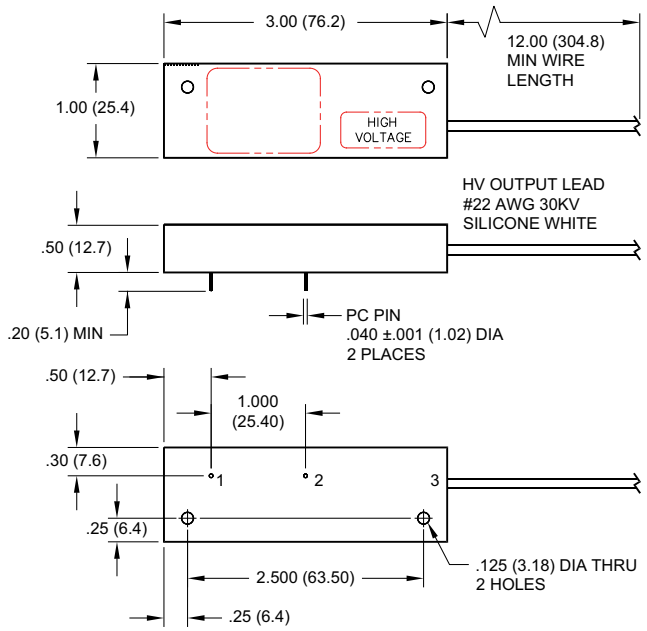
V1G Series: 3.0 x 1.0 x 0.5" (76.2 x 24.5 x 12.7mm)

Key Applications:

- Laboratory Measurement
- System Test Point
- Control Loop Feedback

General Specifications

Characteristic	Minimum	Typical	Maximum	Units	Notes & Conditions
Input Voltage			25	kV	
Input to Output Ratio		1000:1			
Output Ratio Tolerance	0		1	%	
Total Resistance		1000		Mohm	
Temperature Coefficient			75	ppm/°C	
Construction	DAP case material. Solid vacuum encapsulation, UL 94 V-0 rated.				
Operating Temperature	-10		+60	°C	Case temperature
Storage Temperature	-25		+90	°C	



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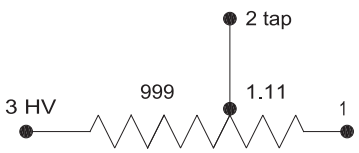

Pin	Description
1	Ground
2	Output
3	HV Output

Notes

1. All dimensions are in inches (mm)
2. Weight: 1.0oz (28.3g)
3. Tolerance: X.XX±0.02 (0.51)
4. Pin Tolerance: ±0.005 (0.127)

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