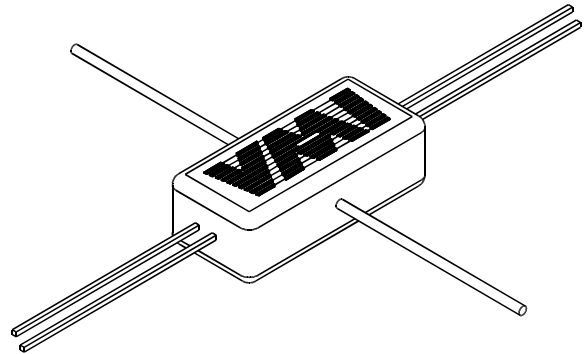
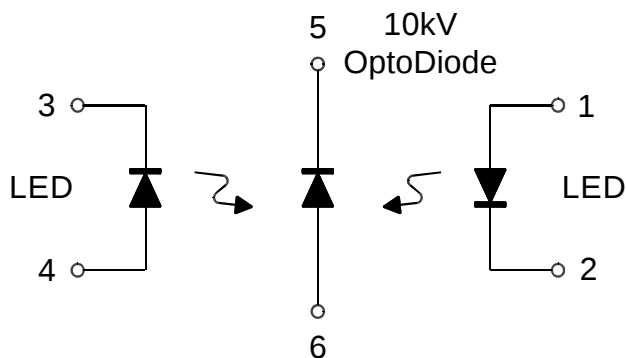


Opto Coupler

OC100



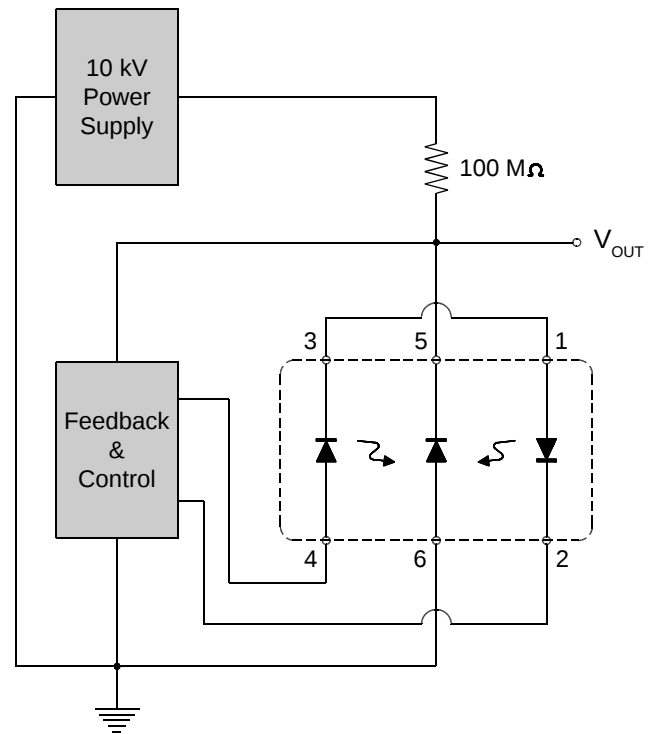
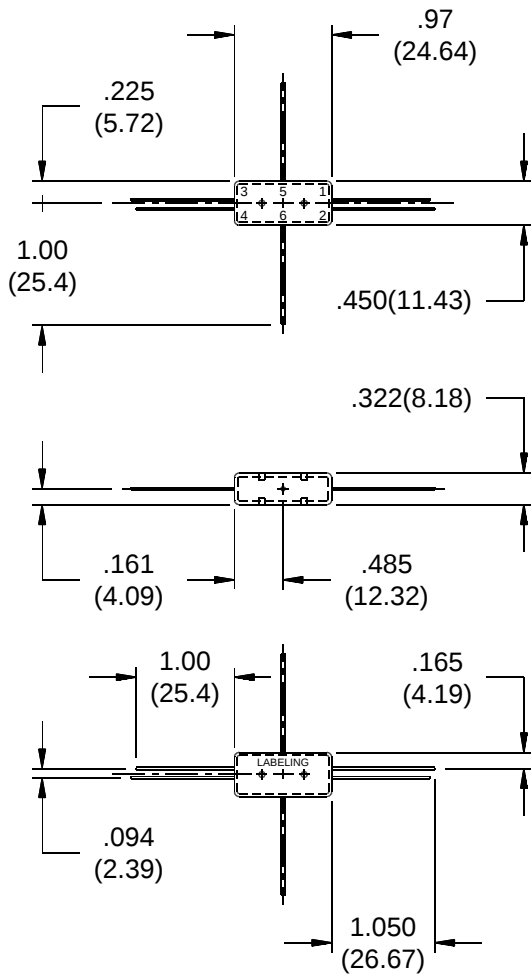
ABSOLUTE MAXIMUM RATINGS	ELECTRICAL CHARACTERISTICS
LED • Forward DC Current 100 mA • Surge Current 2.5 A • Reverse Voltage 5 V • Power Dissipation 200 mW at 25°C Photodiode • Reverse Voltage 10,000 V • Power Dissipation 1W • Storage Temperature -40°C to +125°C • Operating Temperature -40°C to +100°C • Isolation Test Voltage 25 kV (Pins 1, 2, 3, & 4 tied to pins 5 & 6)	LED • Forward Voltage ($I_f = 100 \text{ mA}$) 1.5 V • Reverse Leakage Current 10nA $V_R = 5 \text{ V}$ Photodiode • Forward Voltage ($I_f = 0.6 \text{ A}$) 12.0 V MAX • Reverse Leakage Current Typical $V_R = 10 \text{ kV}, I_{LED} = 0 \text{ mA}$ 250 nA $V_R = 10 \text{ kV}, I_{LED} = 100 \text{ mA}$ 100 μA Coupled • DC Current Transfer Ratio 0.1% • T_{ON} 2 μs • T_{OFF} 2 μs All ratings at 25°C unless otherwise noted.



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OC100



Typical HV Linear Regulator Circuit

- Select resistor value to optimize circuit for V_{OUT} and I_{OUT} range.

