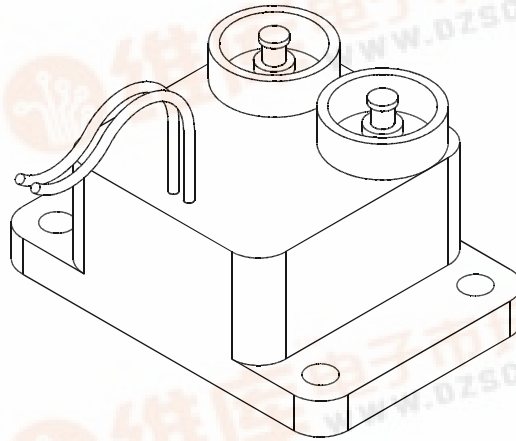
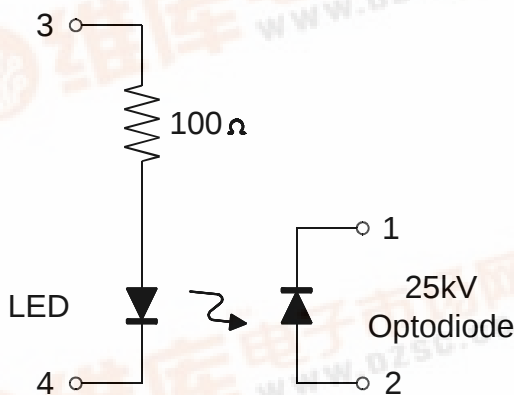


Opto Coupler

OC250



ABSOLUTE MAXIMUM RATINGS

LED

- Forward DC Current 100 mA
- Surge Current 2.5 A
- Reverse Voltage 20 V
- Power Dissipation (25°C) 1000 mW

Photodiode

- Reverse Voltage 25,000 V
- Power Dissipation 2.5 W

- Storage Temperature -40°C to +125°C
- Operating Temperature -40°C to +100°C
- Isolation Test Voltage 25 kV (Pins 1 & 2 to Pins 3 and 4)

ELECTRICAL CHARACTERISTICS

LED

- Forward Voltage (If = 100 mA) 9.0 V
- Reverse Leakage Current 10nA
VR = 20 V

Photodiode

- Forward Voltage (If = 0.6 A) 36 V MAX
- Reverse Leakage Current Typical
VR = 25 kV, I_{LED} = 0 mA 250 nA
VR = 25 kV, I_{LED} = 100 mA 100 µA

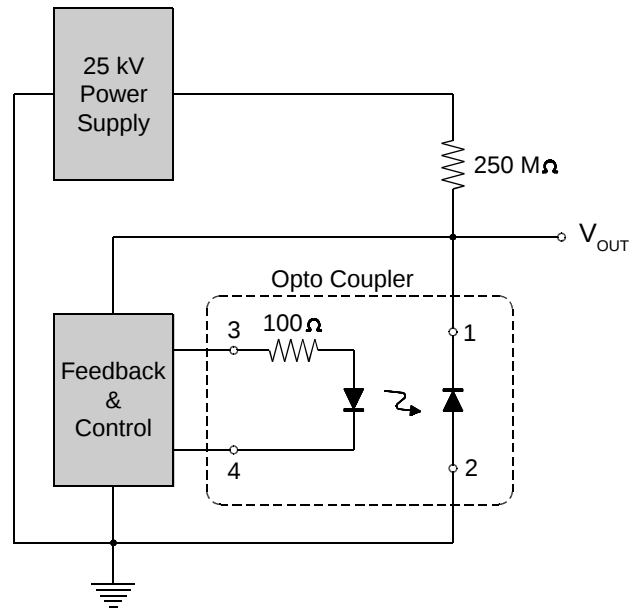
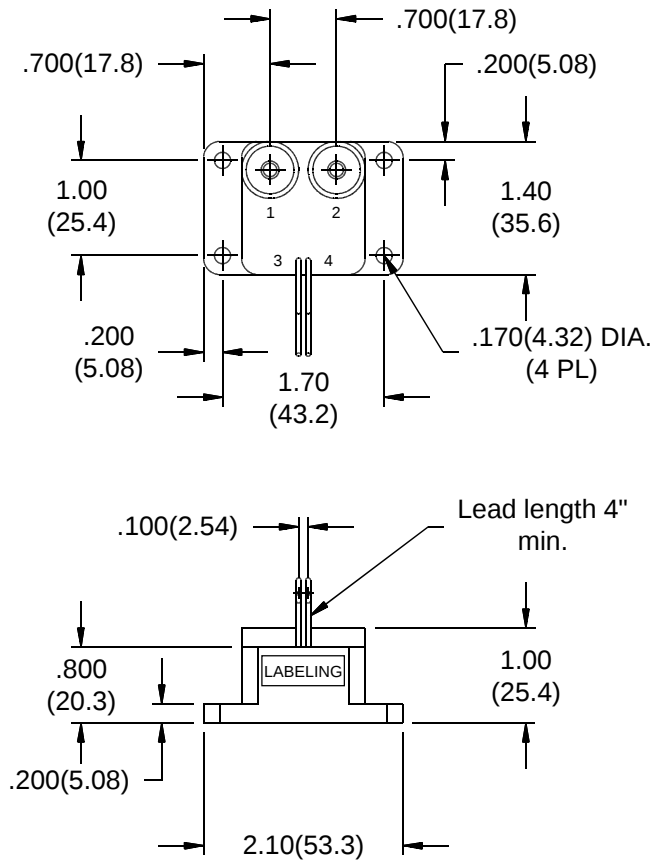
Coupled

- DC Current Transfer Ratio 0.1%
- T_{ON} 2 µs
- T_{OFF} 2 µs

All ratings at 25°C unless otherwise noted



OC250



Typical HV Linear Regulator Circuit

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

