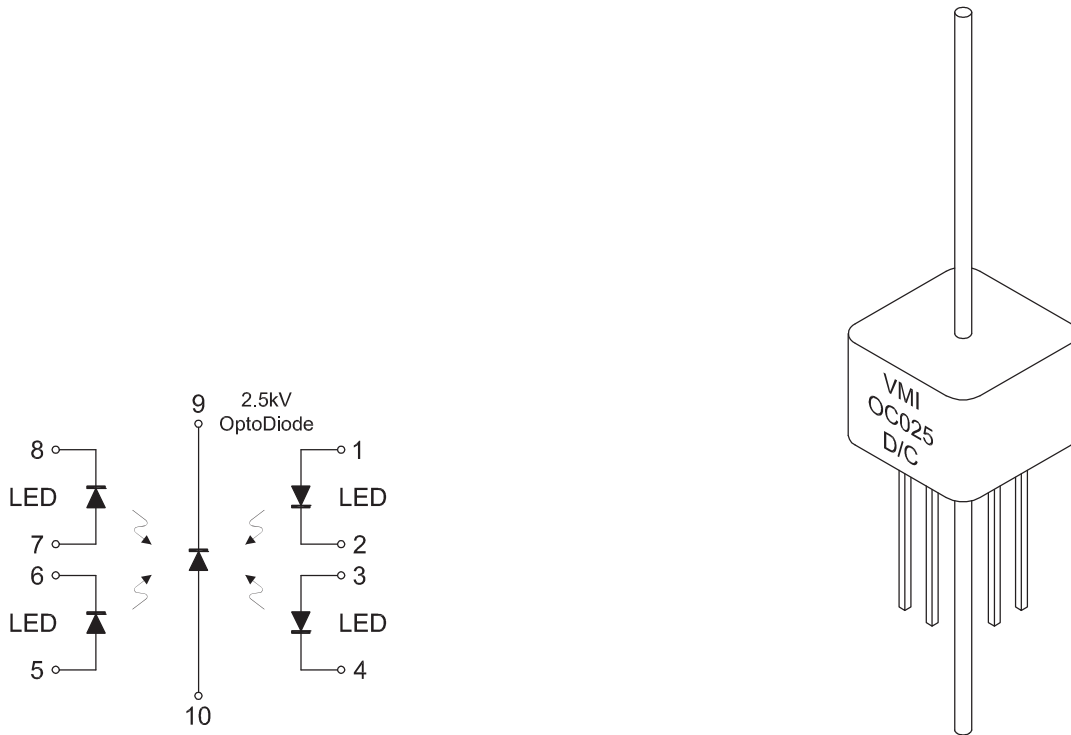


Opto Coupler

OC025

Original Released: 06-11-04
Revised Date: 12-09-09



ABSOLUTE MAXIMUM RATINGS

LED

- Forward DC Current 50 mA
- Surge Current 500 mA
- Reverse Voltage 5 V
- Power Dissipation (25°C) 100 mW

Photodiode

- Reverse Voltage 2,500 V
- Power Dissipation 125 mW

- Storage Temperature -40°C to +125°C
- Operating Temperature -40°C to +100°C
- Isolation Test Voltage 6 kV (From pins 5 & 6 to pins 1 - 4)

ELECTRICAL CHARACTERISTICS

LED

- Forward Voltage ($I_f = 50$ mA) 1.7 V max
- Reverse Leakage Current 10 μ A max
 $V_R = 5$ V

Photodiode

- Forward Voltage ($I_f = 25$ mA) 6.0 V max
- Reverse Leakage Current
 $V_R = 2,500$ kV, $I_{LED} = 0$ mA 100 nA Typical
 $V_R = 2,500$ kV, $I_{LED} = 50$ mA 400 μ A Typical

Coupled

- DC Current Transfer Ratio 0.76% min / 1.00% max
 - T_{ON} 2 μ s
 - T_{OFF} 2 μ s
- (25°C UNLESS OTHERWISE NOTED)



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