

# OC250G

Original Released: 03-29-19

## Opto Coupler

### ABSOLUTE MAXIMUM RATINGS

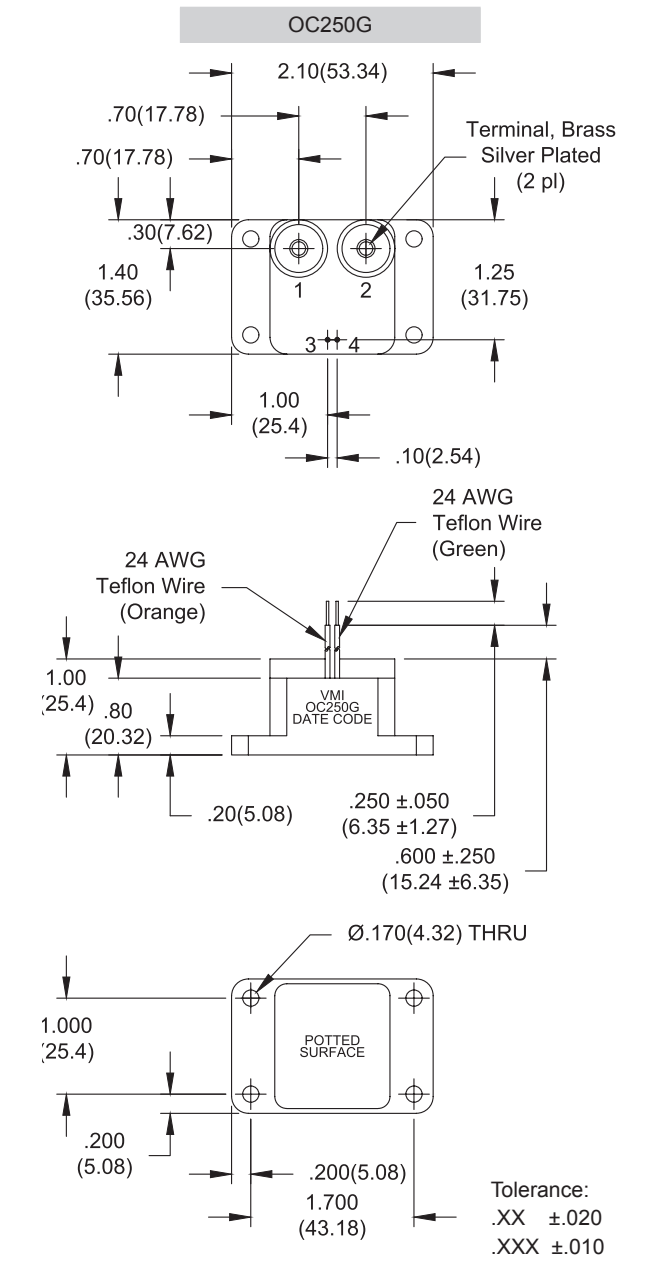
LED	
Forward DC Current	100mA
Surge Current	(tp = 100 μs) 1.5A
Reverse Voltage	20 V
Power Dissipation	(25°C) 850 mW
Photodiode	
Reverse Voltage	25,000 V
Power Dissipation	2.5 W

- Storage Temperature -40°C to +100°C
- Operating Temperature -40°C to +70°C
- Isolation Test Voltage 25 kV (Pins 1 and 2 to - Pins 3 and 4)

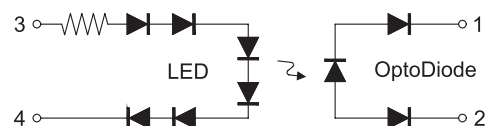
### ELECTRICAL CHARACTERISTICS

LED	
Forward Voltage	(If = 100 mA) 9.0 V
Reverse Leakage Current VR = 20V	10μA
Photodiode	
Forward Voltage	(If = 0.6 A) 36 V MAX
Reverse Leakage Current	
VR = 25kV, I <sub>LED</sub> = 0 mA	250 nA Typical
VR = 25kV, I <sub>LED</sub> = 100 mA	200 μA Typical
Coupled	
DC Current Transfer Ratio	
I <sub>LED</sub> = 50 mA, VR = 25kV	0.32% MIN
t <sub>ON</sub> = (Typical)	2 μs
t <sub>OFF</sub> = (Typical)	2 μs

(25°C UNLESS OTHERWISE NOTED)



### Simplified Circuit Schematic



Dimensions: In. (mm) • All temperatures are ambient unless otherwise noted. • Data subject to change without notice.



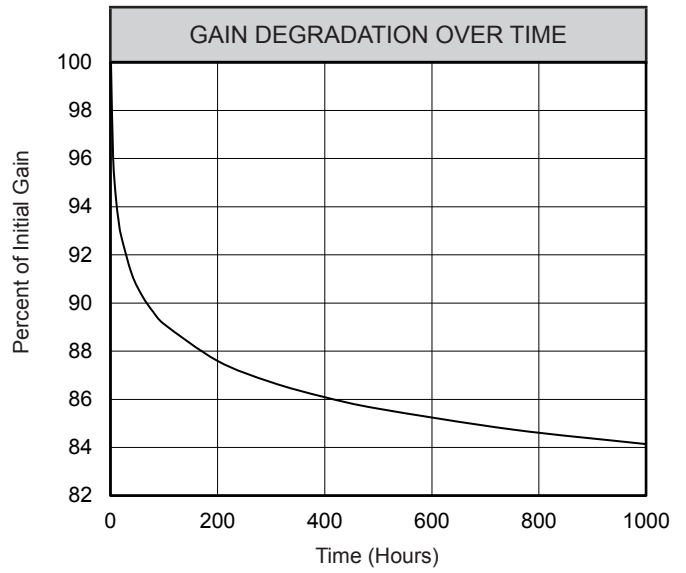
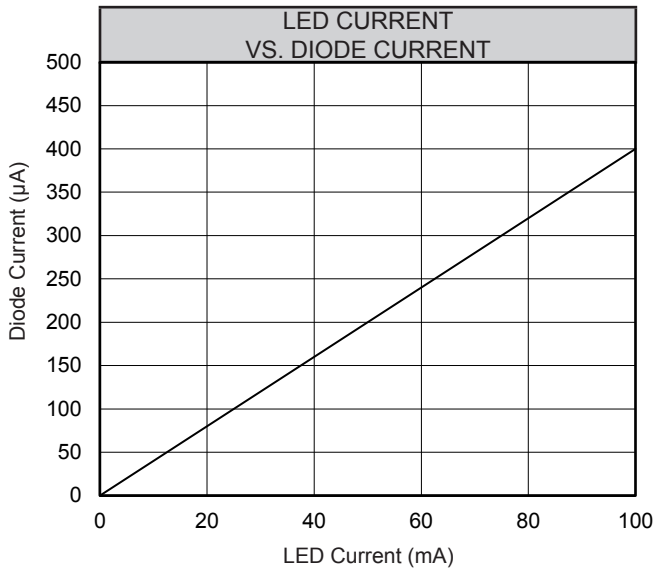
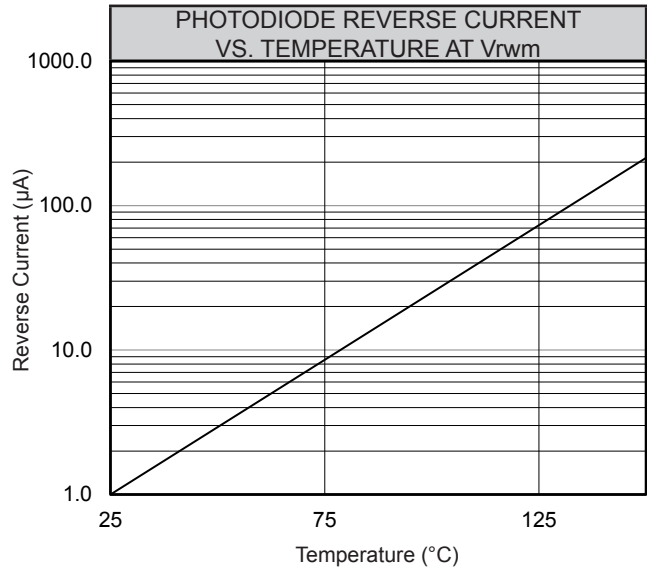
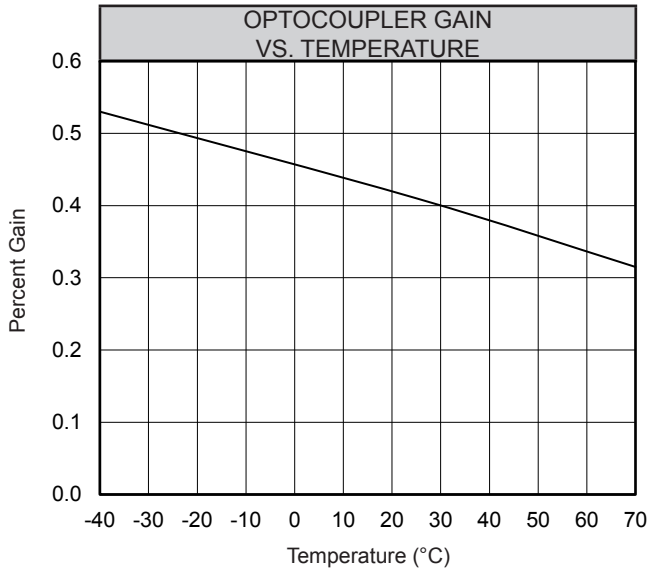
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