OC150G OC150HG

Revised: 09-07-22

Opto Coupler • Axial Leaded • Epoxy Molded

ABSOLUTE MAXIMUM RATINGS

	OC150G	OC150HG
LED		
Forward DC Current	100mA	
Surge Current	(tp = 100 µs) 1.5A	(tp = 100 µs) 1.0A
Reverse Voltage	5 V	
Power Dissipation	(25°C) 190 mW	(25°C) 180 mW
Photodiode		
Reverse Voltage	15,000 V	
Power Dissipation	1.0 W	

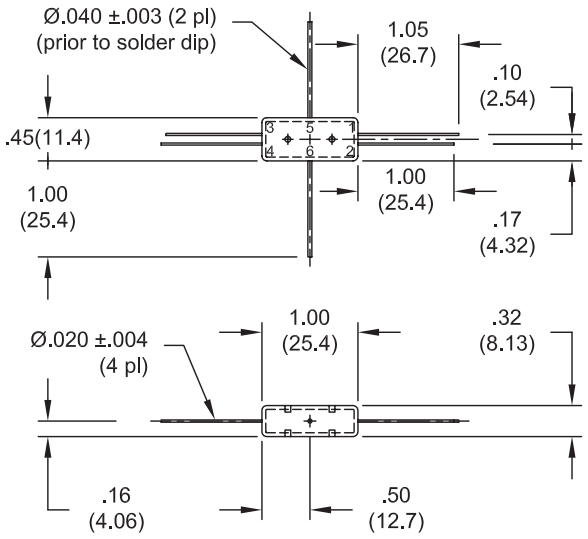
- Storage Temperature -40°C to +100°C
- Operating Temperature -40°C to +70°C
- Isolation Test Voltage 25 kV (From Pins 1, 2, 3, & 4 to Pins 5 & 6)

ELECTRICAL CHARACTERISTICS

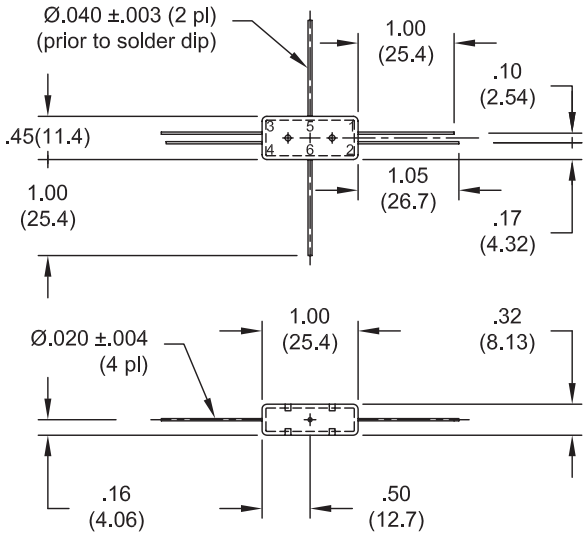
	OC150G	OC150HG
LED		
Forward Voltage	(If = 100 mA) 1.5V	
Reverse Leakage Current VR = 5V	Not Designed for Reverse Operation	
Photodiode		
Forward Voltage	(If = 0.3 A) 18.0 V MAX	
Reverse Leakage Current		
VR = 15kV, I_{LED} = 0 mA	250 nA Typical	
VR = 15kV, I_{LED} = 50 mA	185 µA Typical	210 µA Typical
Coupled		
DC Current Transfer Ratio		
I_{LED} = 50 mA, VR = 15kV	0.20% MIN	0.28% MIN
t_{ON} = (Typical)	2 µs	
t_{OFF} = (Typical)	2 µs	

(25°C UNLESS OTHERWISE NOTED)

OC150G

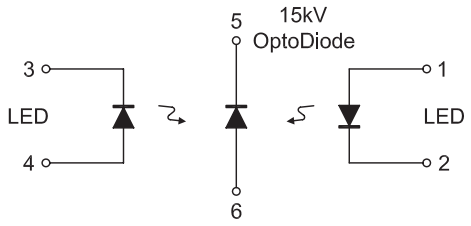


OC150HG



Tolerance:
.XXX ±.020

Simplified Circuit Schematic



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

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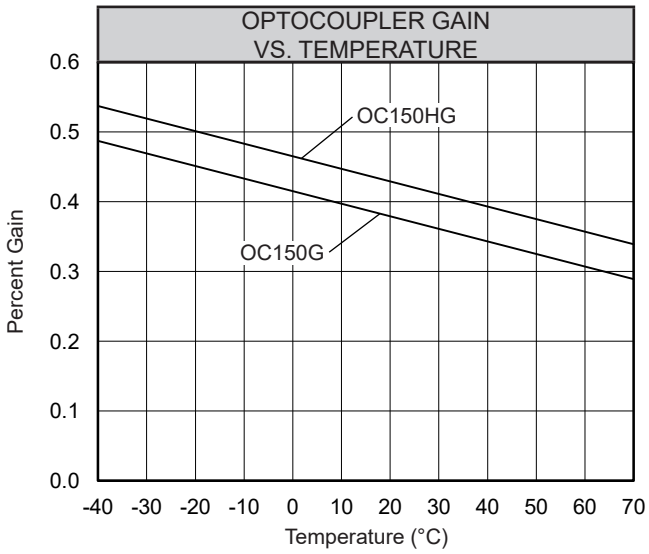

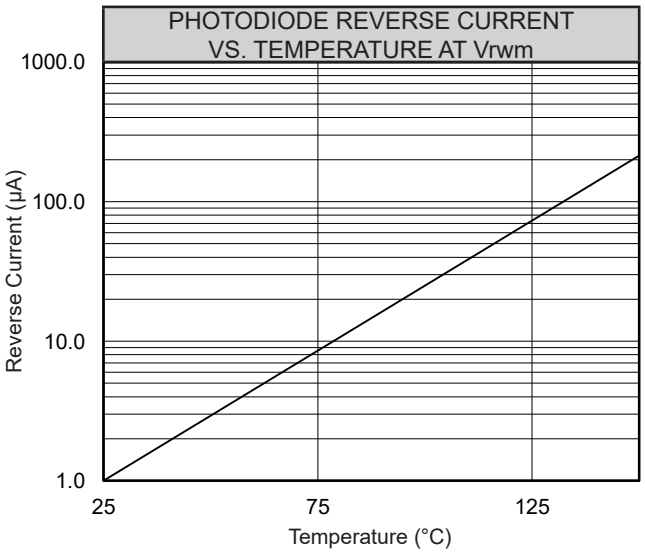

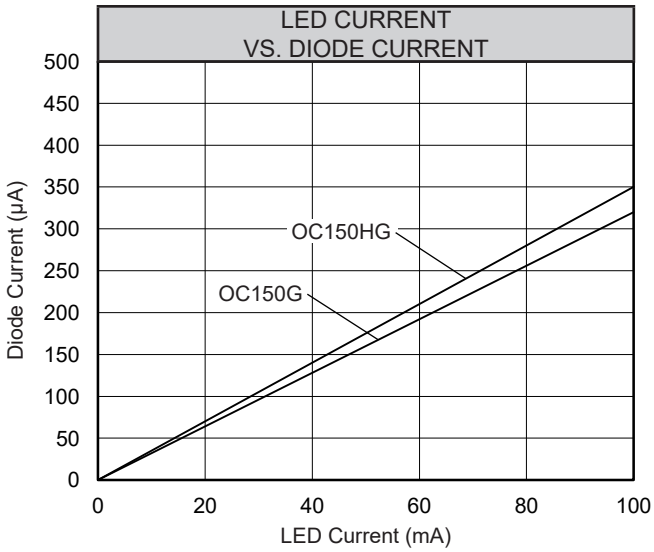

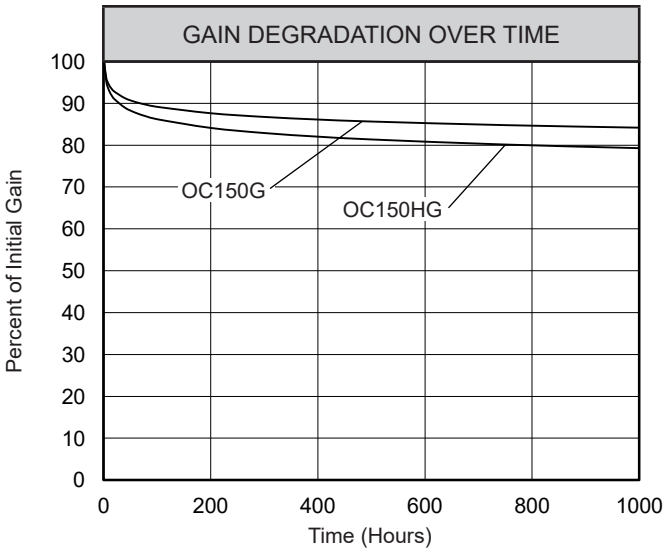

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