OC200G OC200HG

Released: 02-19-24

Opto Coupler • Axial Leaded • Epoxy Molded

ABSOLUTE MAXIMUM RATINGS

	OC200G	OC200HG
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	20,000 V	
Power Dissipation	1.0 W	

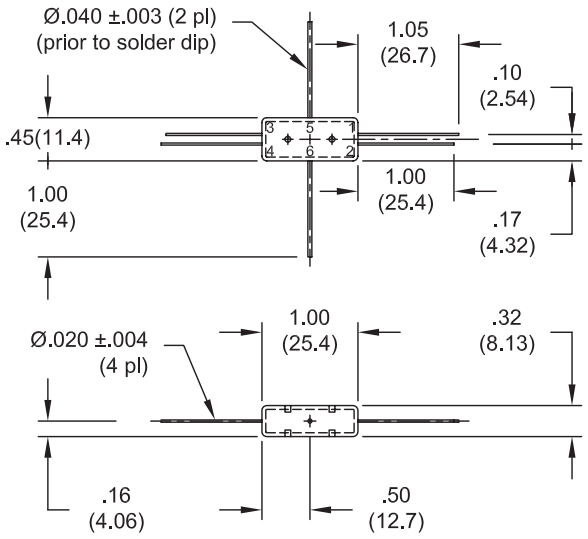
- Storage Temperature -40°C to +100°C
- Operating Temperature -40°C to +70°C
- Isolation Test Voltage 25 kV (From Pins 1, 2, 3, & 4 to Pins 5 & 6)

ELECTRICAL CHARACTERISTICS

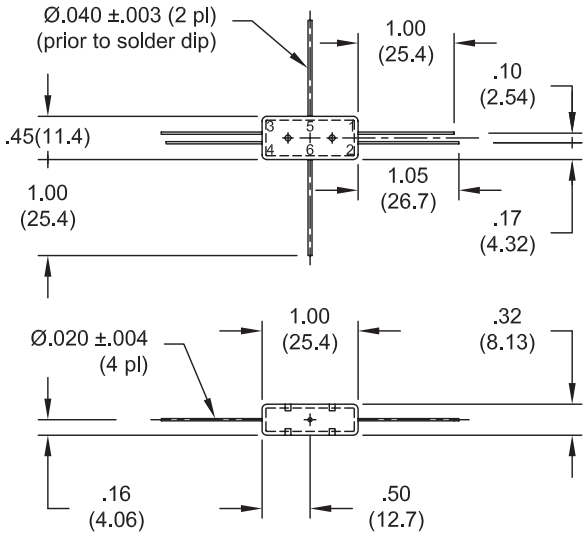
	OC200G	OC200HG
LED		
Forward Voltage	(If = 100 mA) 1.5V	
Reverse Leakage Current VR = 5V	Not Designed for Reverse Operation	
Photodiode		
Forward Voltage	(If = 0.2 A) 22.0 V MAX	
Reverse Leakage Current		
VR = 20kV, I_{LED} = 0 mA	250 nA Typical	
VR = 20kV, I_{LED} = 50 mA	185 µA Typical	210 µA Typical
Coupled		
DC Current Transfer Ratio		
I_{LED} = 50 mA, VR = 20kV	0.20% MIN	0.28% MIN
t_{ON} = (Typical)	2 µs	
t_{OFF} = (Typical)	2 µs	

(25°C UNLESS OTHERWISE NOTED)

OC200G

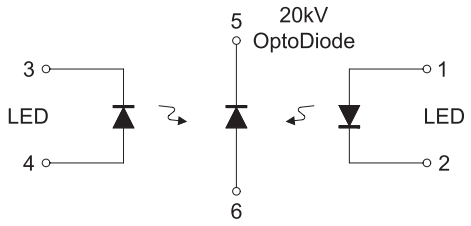


OC200HG



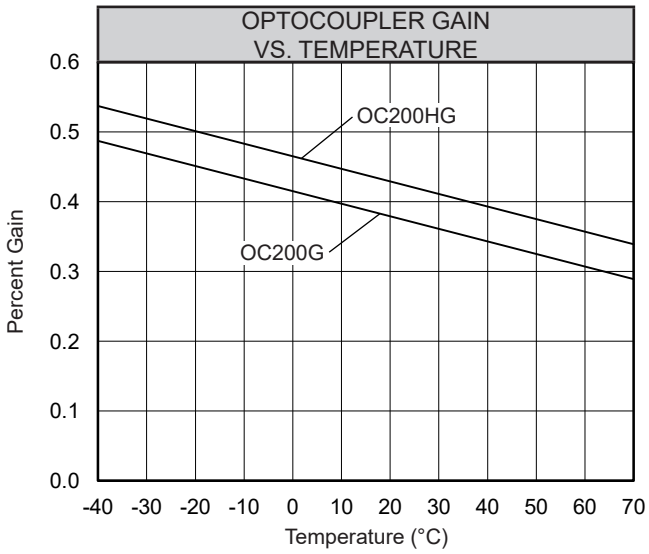
Tolerance:
.XXX ±.020

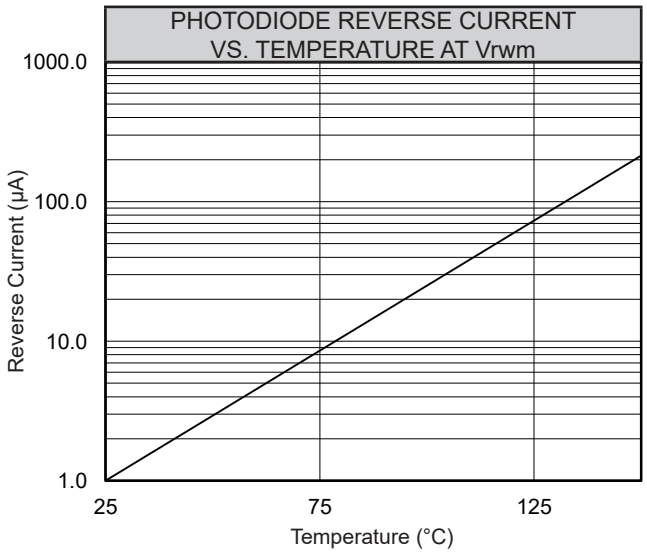
Simplified Circuit Schematic

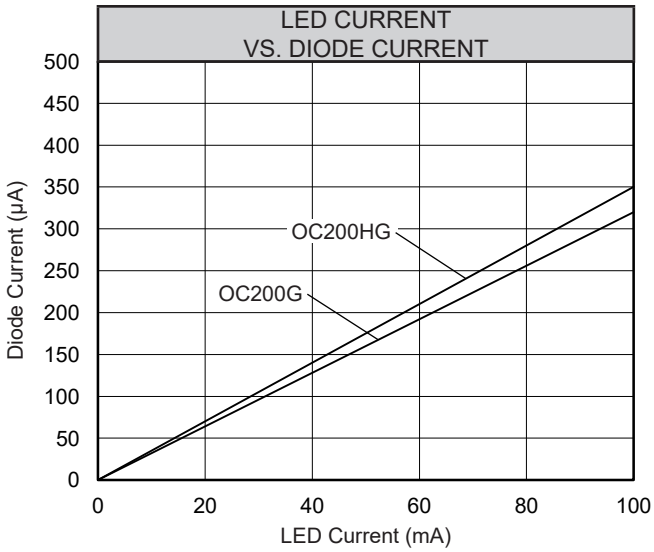


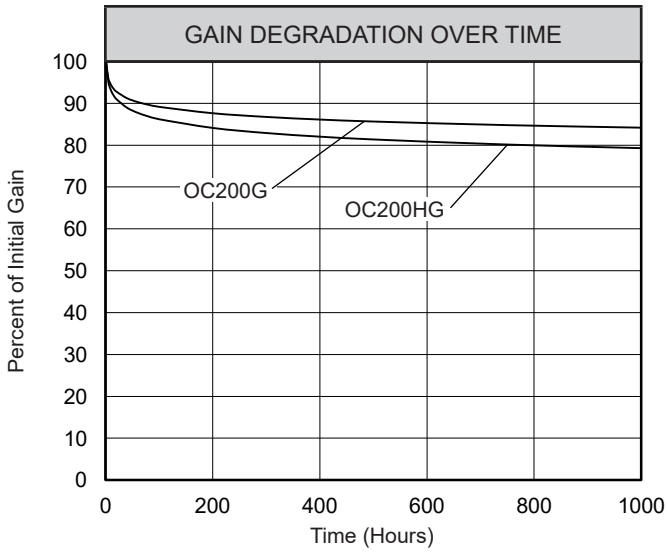
Dimensions: In. (mm) • All temperatures are ambient unless otherwise noted. • Data subject to change without notice.

OC200G OC200HG









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