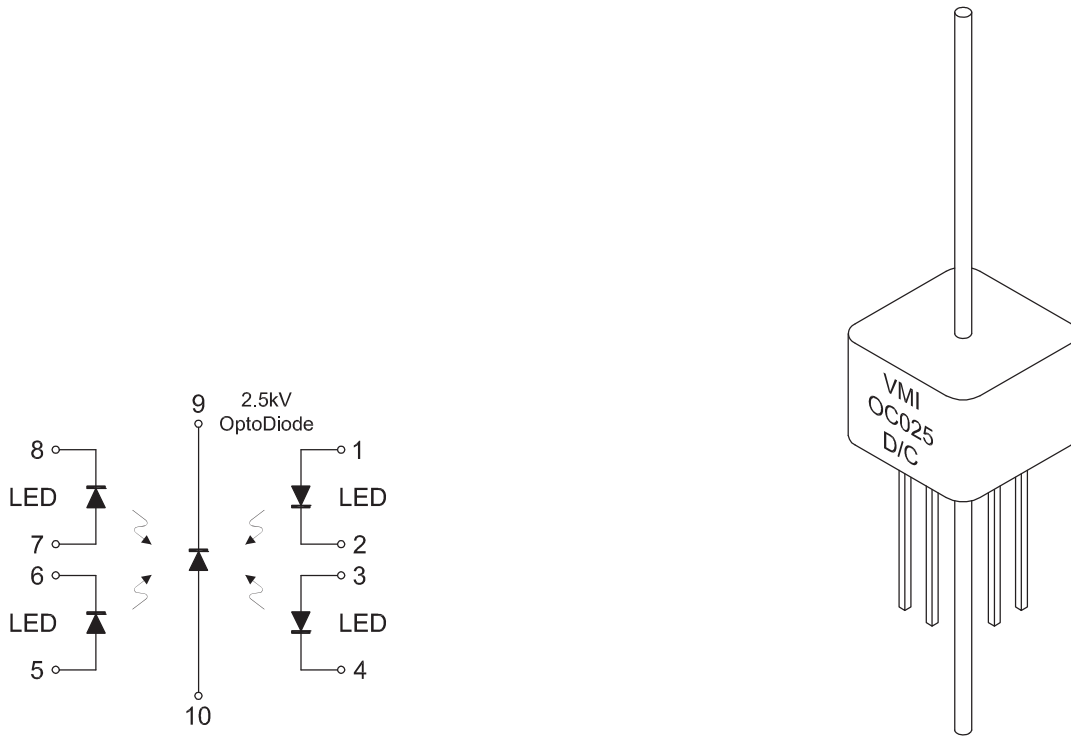


# Opto Coupler

# OC025

Original Released: 06-11-04  
Revised Date: 10-18-11



ABSOLUTE MAXIMUM RATINGS		ELECTRICAL CHARACTERISTICS	
<b>LED</b>		<b>LED</b>	
• Forward DC Current	50 mA	• Forward Voltage	1.7 V max
• Surge Current	500 mA	(If = 100 mA, tp = 20 μs)	
• Reverse Voltage	5 V	• Reverse Leakage Current	10 μA max
• Power Dissipation (25°C)	100 mW	(VR = 5 V)	
<b>Photodiode</b>		<b>Photodiode</b>	
• Reverse Voltage	2,500 V	• Forward Voltage (If = 25 mA)	6.0 V max
• Power Dissipation	125 mW	• Reverse Leakage Current	
		VR = 2,500 kV, I <sub>LED</sub> = 0 mA	100 nA Typical
		VR = 2,500 kV, I <sub>LED</sub> = 50 mA	400 μA Typical
• Storage Temperature	-40°C to +125°C	<b>Coupled</b>	
• Operating Temperature	-40°C to +100°C	• DC Current Transfer Ratio	0.76% min
• Isolation Test Voltage	6 kV (From pins 5 & 6 to pins 1 - 4)	VR = 2,500 kV, I <sub>LED</sub> = 50 mA	
		• T <sub>ON</sub>	2 μs
		• T <sub>OFF</sub>	2 μs
		(25°C UNLESS OTHERWISE NOTED)	



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