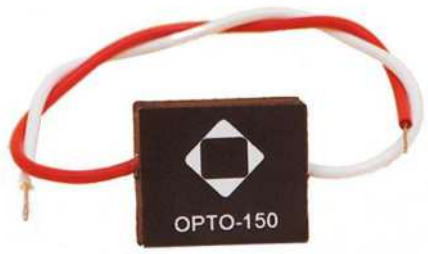
HVM TECHNOLOGY
Innovative High Voltage Products

OPTO-150

15kV High Voltage Opto-Coupler



Features

- ***Easy to Use***
- ***No External Components Required***
- ***Internal Current Limiting Resistors***
- ***Small Footprint***
- ***15kV Reverse Voltage Rating***
- ***Fast Response***
- ***Miniature PC Board Mountable Package***
- ***Wide Operating Temp Range (-40°C to +85°C)***

RoHS

Description

The **OPTO-150** is a miniature, 15kV rated high voltage optocoupler which integrates low voltage LED drivers with high voltage photo detector diodes. Designed for ease of use, the **OPTO-150** delivers circuit isolation in a space-saving (0.55"L x 0.65"W x 0.25"H) encapsulated package.

Typical applications for the **OPTO-150** include high voltage switching, high voltage isolation, external voltage sensing, voltage level shifting, and mass spectrometry.

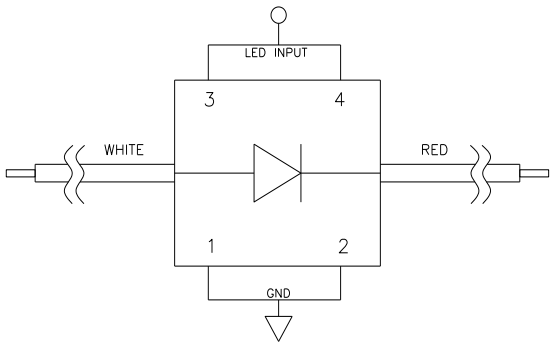
Mechanical Characteristics

- **Packaging:** Encapsulated in high performance epoxy

Environmental Characteristics

- **Operating Temp Range:** -40ºC to +85ºC
- **Storage Temp Range:** -55ºC to +85ºC

APPLICATION SCHEMATIC



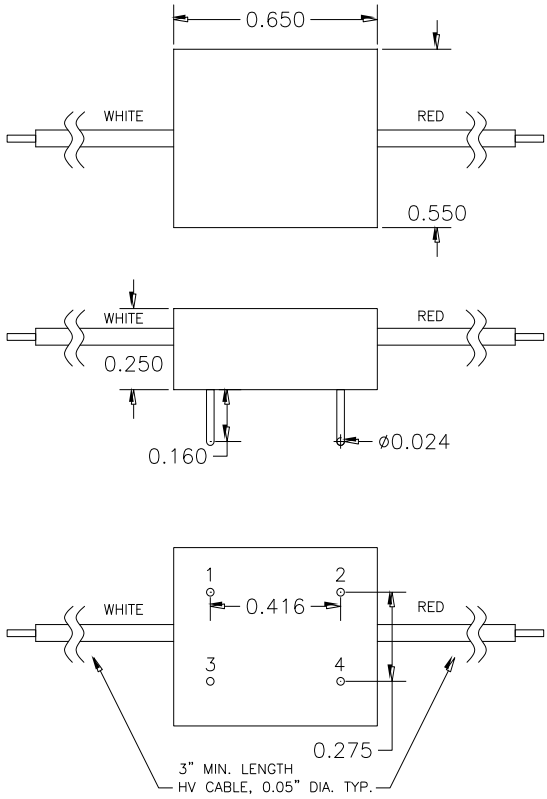
HVM TECHNOLOGY, INC., 360 McKenna Ave, New Braunfels, TX 78130
Tel: (830) 626-5552 ext 211 / http://www.hvmtech.com / email: sales@hvmtech.com

www.hvmtech.com

ELECTRICAL CHARACTERISTICS	
Absolute Max	
LED Forward Current	360 mA
LED Reverse Voltage	5 V
LED Max Input Voltage	5 V
Forward Voltage Drop	1.9 V
Photodiode Reverse Voltage	15,000 V
Max Output Power	1.25 W
Typical	
LED Forward Voltage @100mA Current Drive	3.25 V
Reverse Leakage Current @15,000 V	<10 nA
DC Current Transfer Ratio	0.15%
Turn-on Time	2 µs
Turn-off Time	2 µs

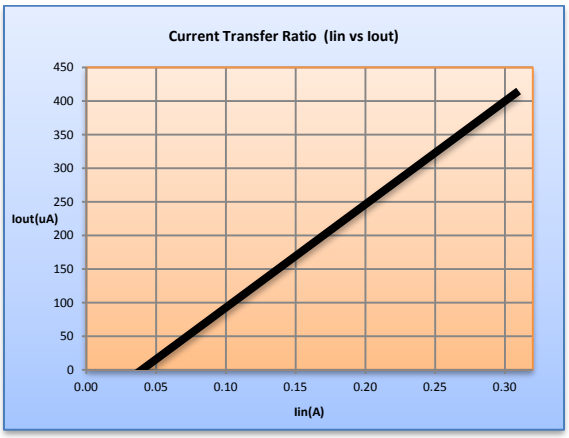
All specifications at 25°C ambient temperature unless otherwise stated.

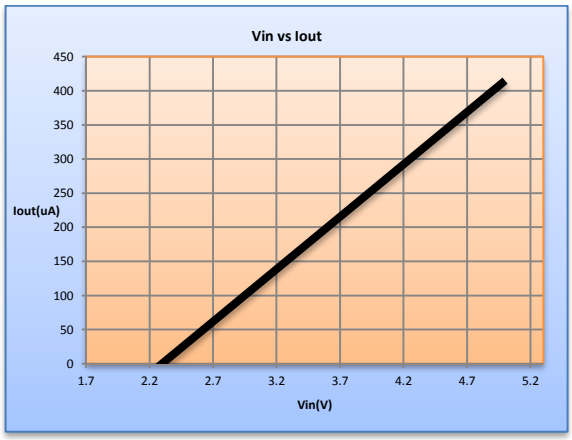
DIMENSIONS

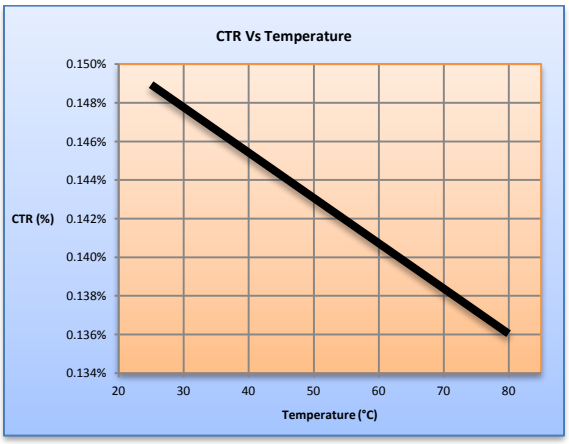


Pin Labels	
Pin 1	LED GND
Pin 2	LED GND
Pin 3	LED Input
Pin 4	LED Input

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