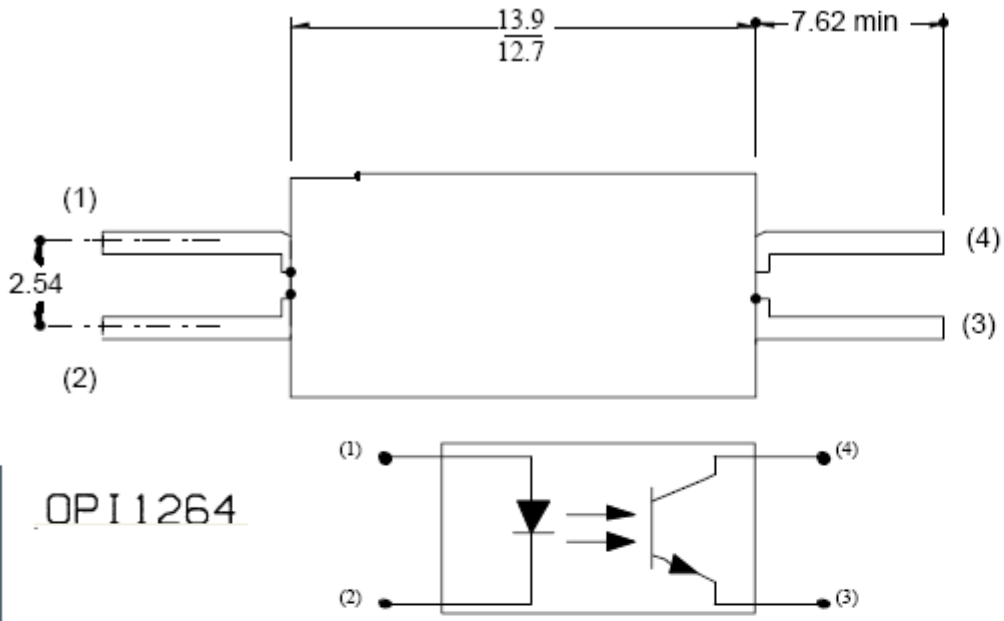
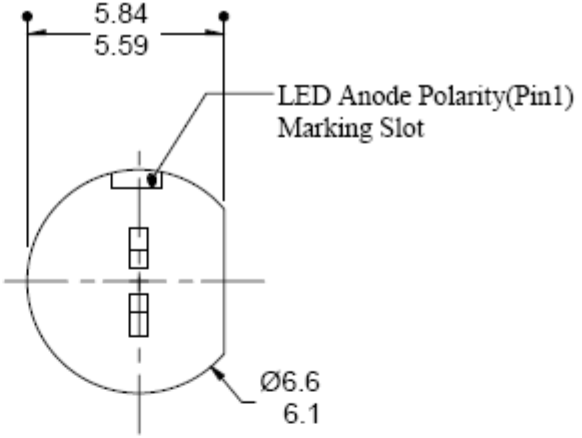




Features

- 10kV electrical rating
- High current transfer ratio
- Low cost plastic module
- UL recognized File NO. E58730(6)

Description

The OPI1264 series are optically coupled isolators, each consisting of an infrared emitting diode coupled to an NPN silicon phototransistor and sealed in a precast opaque housing. The isolators are designed for applications requiring high voltage isolation between input and output.

Replaces

K8900 series

Absolute Maximum Ratings (T_A = 25° C unless otherwise noted)

Input-to-Output Isolation Voltage	± 10 kVDC(1)(6)
Storage Temperature Range	-40° C to +100° C
Operating Temperature Range	-40° C to +85° C
Lead Soldering Temperature [1/16 inch (1.6 mm) from case for 5 sec. with soldering iron]	260° C(2)

Input Diode

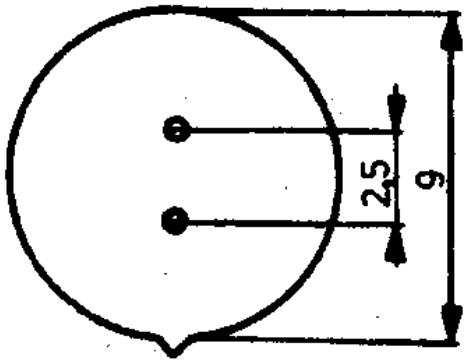
Forward DC Current	40 mA(3)
Reverse DC Voltage	2.0 V
Power Dissipation	50 mW(4)

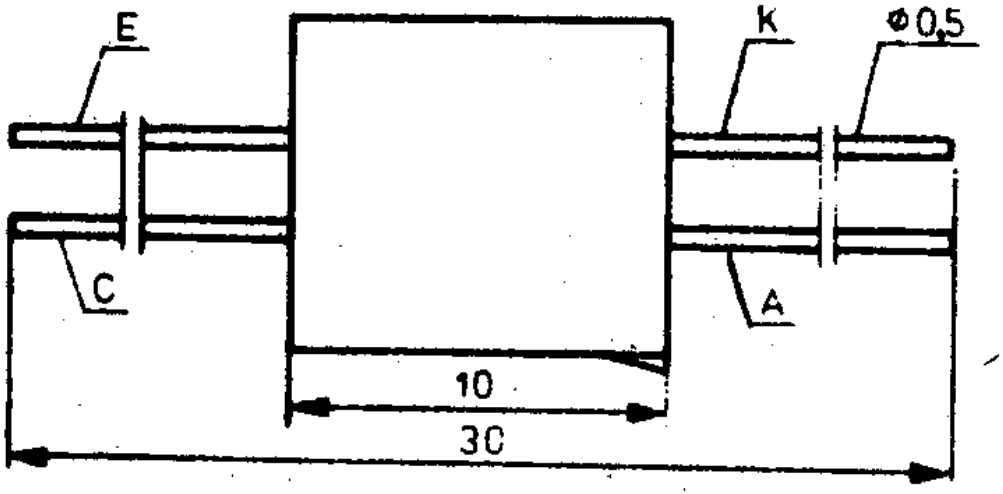
Output Photosensor

Collector-Emitter Voltage	30 V
Emitter-Collector Voltage	5.0 V
Power Dissipation	100 mW(5)

Notes:

(1) Measured with input and output leads shorted. Typical input/output capacitance is 0.06pf.
(2) RMA flux is recommended. Duration can be extended to 10 sec. max. when flow soldering.
(3) Derate linearly 0.67 mA/° C above 25° C.
(4) Derate linearly 0.83 mW/° C above 25° C.
(5) Derate linearly 1.66 mW/° C above 25° C.
(6) UL recognition is for 3500 VAC, 1 minute only.





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