

● Description

The K3010 series consist of two infrared emitting diodes, connected in inverse parallel, optically coupled to a phototransistor detector. They are packaged in a 4-pin DIP package and available in wide-lead spacing and SMD option.

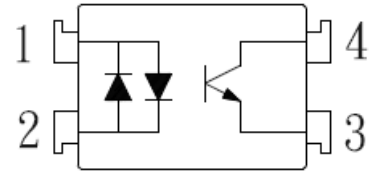
● Features

1. Current transfer ratio
(CTR : Min. 50% at $I_F = \pm 1\text{mA}$ $V_{CE} = 5\text{V}$)
2. High isolation voltage between input and output
(Viso : 5000Vrms)
3. Pb free and RoHS compliant
4. MSL class 1
5. Agency Approvals
 - UL Approved (No. E169586): UL1577
 - c-UL Approved (No. E169586)
 - VDE Approved (No. 101347): DIN EN60747-5-5
 - FIMKO Approved: EN60065, EN60950, EN60335
 - SEMKO Approved: EN60065, EN60950, EN60335
 - CQC Approved: GB8898-2011, GB4943.1-2011

● Applications

- System appliances
- Limit Switches
- Sensors
- Programmable controllers applications for Low Input Photocouplers and High Vceo Photocouplers
- Telephone sets
- Telephone exchangers
- Thermostats
- Signal transmission between circuits of different potentials and impedances

● Schematic



1. Anode, Cathode
2. Anode, Cathode
3. Emitter
4. Collector