



1. Features

- 1) Low V_{CE} supply voltage
- 2) Low power consumption
- 3) High speed: 15MBd(typical)
- 4) $V_{CE} = 1000V$, and the lowest common mode inhibition (CMR) is 10 kV/μs.
- 5) $-40^{\circ}C \sim +110^{\circ}C$ temperature of AC and DC performance.
- 6) RoHS approval

- UL approved (No.E323844)
- VDE approved (No.40020733)
- CCC approved (No.CQC19001251254)

- 7) Full compliance with RoHS, REACH standards
- 8) MSL CLASS 1

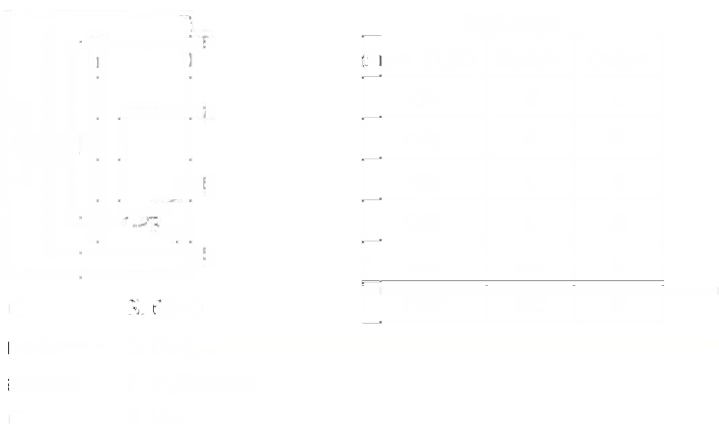


Optical isolator and high-speed optical detector. This device provides high ac and dc isolation between the input and output ~~side of the input and output channels.~~ Low, minimum characteristic of the photo detector, a collector open circuit collector, clamp transistor. The total mode transient immunity should reach 10 kV/μs at 2.5 V. The photo detector's visible operating temperature range: $-40^{\circ}C \sim +110^{\circ}C$.

3. APPLICATION SECTION

- 1. A/D, D/A converted digital signal isolation
- 2. eliminate noise from the ground loop
- 3. switching power supply
 - 1. active pulse transfer
 - 2. motor system
 - 3. the use of dc conversion system (com. car and tv and peripheral equipment)

6. Mechanical Dimensions



0.1 capacitor for bypass capacitance needs to be connected across each V_{CC} pin and GND

5. Absolute Maximum Ratings (Ta=25°C)*1

	Parameter	Symbol	Rated Value	Unit
Input	Average Forward Input Current	I _F	20	mA
	Reverse Input Voltage	V _R	5	V
	Power Dissipation	P _r	40	mW
	Enable Input Voltage	V _E	V _{CC} +0.5	V
	Enable Input current	I _E	5	mA
Output	Output Collector Current	I _O	50	mA
	Output Collector Voltage	V _O	7	V
	Output Collector Power Dissipation	P _O	85	mW

