



### 1. Features

- (1) 3.3V / 5V supply voltage
- (2) Low power consumption
- (3) High speed: 15MBd(typical)
- (4)  $V_{CM}=1000V$ , and the lowest common mode saturation current is 100nA
- (5) - 40 °C ~ + 110 °C temperature of AC and DC performance.
- (6) Safety approval

UL approved (No.E323844)

VDE approved (No.40020733)

CQC approved (No.CQC15001251254)

- (7) In compliance with RoHS, REACH standards
- (8) MSL CLASS I



OR-6N13Z is made up of an

active high speed common emitter output design provides good ac and dc isolation between the input and output ports. The photodiode common emitter characteristic of the photodiode is a collector open circuit sensitivity diode transistor. The total mode transient immunity should reach 10 kv/ps at 5.5 v. The photodiode common emitter output range is 0.1 to 3.0 v.

4. A/D, D/A converted digital signal isolation

3. eliminate noise from the ground layer

4. switching power supply

- 5. active plus / use constant
- 6. or other 5V1.5V
- 7. face of the processor 5V1.5V, com. other and other peripheral equipment

Truth table

Input (LED)	Enable	Output
ON	1	1
OFF	1	0
ON	0	0
OFF	0	0
ON	NC	0
OFF	NC	0

**5. Absolute Maximum Ratings ( $T_a=25^{\circ}\text{C}$ )\*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

