



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 transconductance
- (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.CQC15061251254)

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



OR-6N13Z is made up of an

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

- 4. A/D, D/A converted digital signal isolation
- 3. eliminate noise from the ground layer
- 4. switching power supply
 - 5. active plus time constant
 - 6. or common mode
 - 7. face of the processor system, common mode and peripheral equipment

Truth table

Input (LED)	Output (LED)
ON	1
OFF	1
ON	1
OFF	1
ON	1
OFF	1
ON	1
OFF	1

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

