

## 3MM RECEIVER S



**3mm 940nm LEDs Infrared Emitter and IR Receiver Diode for ordinary electronic devices  
3mm Infrared Emission + Receiver Tube**

### **Product Details**

Place of Origin: China

Brand Name: CZINELIGHT

Model Number: CZF3-receiver

Type: Diode

Package Type: Through Hole

Max. Forward Voltage: 1.2-1.5V

Body Material: Glass

Diameter : 3MM

View Angle : 15-30 degree

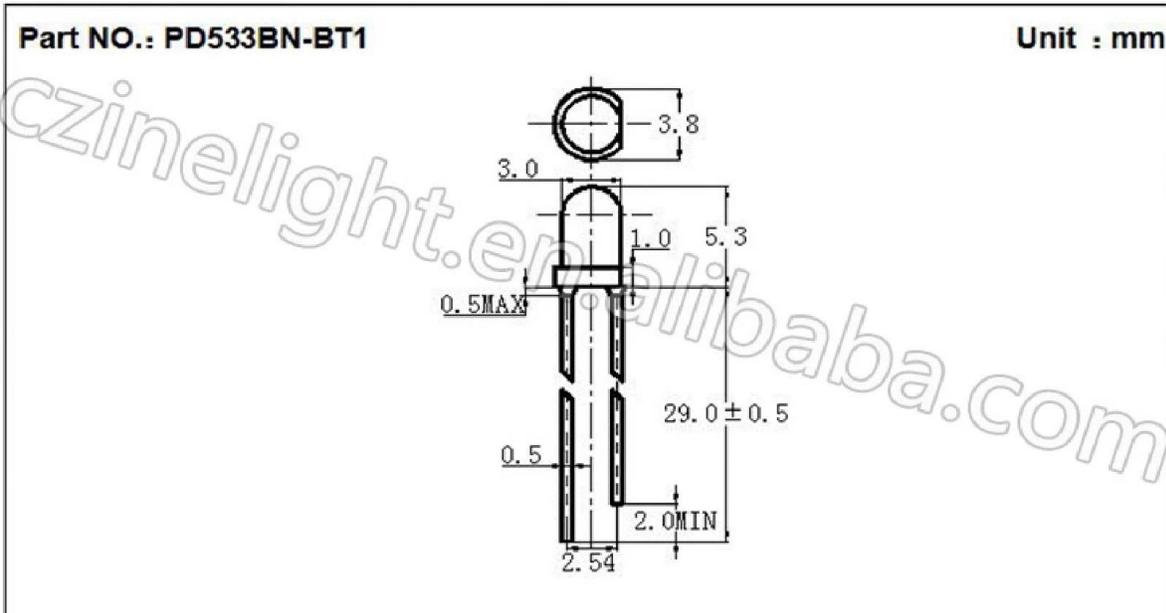
Body Color : silver

Selling Units : Single item

Wavelength : 940nm

Brand name	品牌	CZINELIGHT
TYPE	型号	3mm Photosensitive receiver

■ ABSOLUTE MAXIMUM RATINGS: (Ta=25°C)



Parameter	Symbol	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Reverse Breakdown Voltage	$V_{BR}$	35			V	$I_R=100\mu A E_e=0mW/cm^2$
Reverse Dark current	$I_{D(R)}$		2	10	nA	$V_R=10V H=0mW/cm^2$
Light Current	$I_L$		11		$\mu A$	$V_R=5V H=5mW/cm^2$
Open-Circuit Voltage	$V_{OC}$	0.5		1.3	V	$E_e=5mW/cm^2 @940nm$
Short-Circuit Current	$I_{SC}$		8.0		$\mu A$	$E_e=1mW/cm^2 @940nm$
Junction Capacitance	$C_J$		14		pF	$H=0mW/cm^2 f=1MHz V_R=3V$
Rise Time(10% to 90%)	$t_r$		45		$\mu S$	$V_R=5V R_L=100ohms$
Fail Time(90% to 10%)	$t_f$		45			
Power dissipation	$P_d$			150	mW	
Wavelength of Peak Sensitivity	$\lambda_p$		940		nm	
Rang of Spectral Bandwidth	$\lambda_{0.5}$	700		1200	nm	

■ OPERATING TEMPERATURE: -25°C TO +85°C

■ LEAD SOLDERING TEMPERATURE: 260°C FOR 5 SECONDS