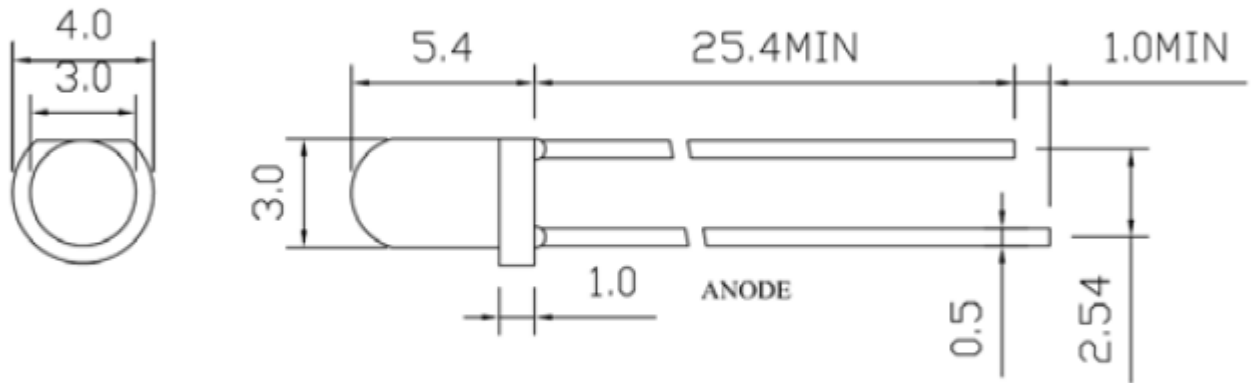


3mm infrared lamp LED Emitters

Part Number: AL-L031IRC

IR LED Emitter 3mm is in a water clear 3mm diameter package. The wavelength emitted is 850nm or 940nm. This product can be coupled with the IR Photo Transistor Sensor 3mm for Infrared data communication.

Package Dimensions



Unit: (mm)

Tolerance: ± 0.25 mm



Dongguan Zhiding Electronics Technology Co., Ltd

Zhiding's infrared emitting diode is a high intensity diode, molded in a blue or yellow transparent plastic package or water clear plastic package. The device is spectrally matched with phototransistor, photodiode and infrared receiver module.

3mm ir led Specifications

Current - DC Forward (I_f) (Max): 100mA

Mounting Type: Through Hole

Operating Temperature: $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)

Orientation: Top View

Package / Case: Clear

Packaging: 1000pcs/bag

Type: Infrared (IR)

Viewing Angle: $30^{\circ} \sim 60^{\circ}$

Voltage - Forward (V_f) (Typ): 1.2V \sim 1.45V

Wavelength: 850nm \sim 940nm

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Radiant Intensity	I_e	$I_F=20\text{mA}$	7.0	15	—	mW/sr
Peak Wavelength	λ_p	$I_F=20\text{mA}$	—	940	—	nm
Spectrum Line Halfwidth	$\Delta\lambda$	$I_F=20\text{mA}$	—	50	—	nm
Viewing Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	—	30	—	deg
Forward Voltage	V_F	$I_F=20\text{mA}$	—	1.25	1.45	V
Reverse Current	I_R	$V_R=5\text{V}$	—	—	50	μA

3mm ir led Features

High reliability
 High radiant intensity
 3mm through-hole packages
 2.54mm Lead spacing
 Low forward voltage

3mm ir led Applications

Consumer
 IR Touch-Panel
 Industrial equipment
 Other Infrared application systems

3mm ir led Advantages

- 1.Small order available
- 2.Top quality raw material
- 3.International Approval
- 4.Prompt delivery
- 5.Guarantee/warranty
- 6.Excellent packaging
- 7.Environment friendly
- 8.Excellent performance
- 9.Good service
- 10.Customaries design is available, free combination

Welcome to receive your inquiry, we are 24 hours online to service you!

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