

# LEDIST OPTOELECTRONICS CO., LTD

## Data sheet for L-331RR-40

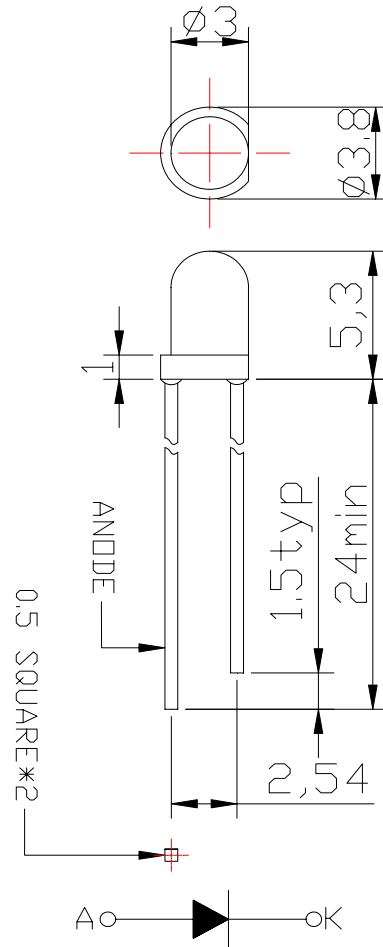
### Features:

- Low power consumption
- High intensity
- Solid state reliability
- Industrial standard size

### Description:

- 3mm round LED
- Emitting color: Red, AlGaInP
- Red diffused epoxy
- Viewing angle: 40°

### Package Dimensions:



### Notes:

1. All dimensions are in millimeters(inches)
2. Tolerance is 0.25mm(0.01") unless otherwise noted
3. Above specifications may be changed without notice

**Absolute maximum ratings at Ta = 25°C:**

Parameter	Symbol	Rating	Unit
Power Dissipation	Pd	80	mW
Reverse Voltage	Vr	5	V
DC. Forward Current	If	30	mA
Peak Current (1/10 Duty Cycle , 0.1 ms Pulse Width)	If(Peak)	100	mA
Operating Temperature Range	Topr	-30 to +85	°C
Storage Temperature Range	Tstg	-30 to +100	°C
Lead Soldering Temp.(1.6mm from body) for 5 seconds		260	°C

**Electrical Characteristics at TA=25°C:**

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	Iv	IF=20mA	100	--	200	mcd
Forward Voltage	Vf	IF=20mA	1.9	2.1	2.3	V
Peak Wavelength	$\lambda_p$	IF=20mA		--		nm
Dominant Wavelength	$\lambda_d$	IF=20mA	620	--	630	nm
Reverse Current	Ir	VR=5V			10	uA
Viewing Angle	2 $\theta$ 1/2	IF=20mA		40		Deg
Spectrum Line Halfwidth	$\lambda$	IF=20mA	--	30	--	nm

**Typical Optical-Electronic Characteristic Curves:**

