

# LEDIST OPTOELECTRONICS CO., LTD

## Data sheet for L-331WW-100

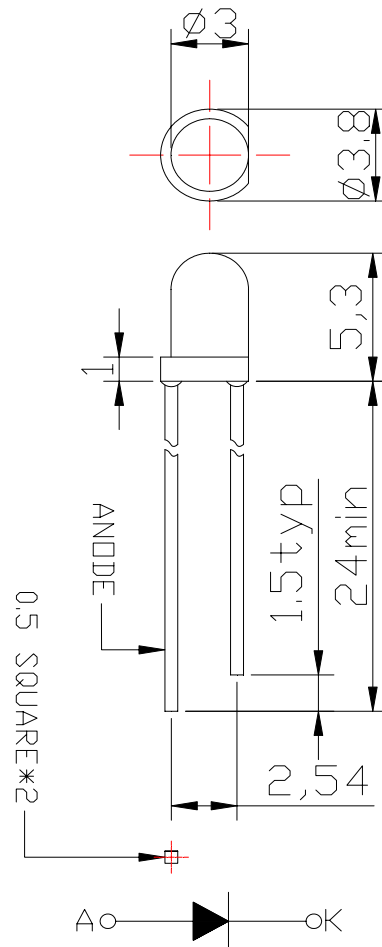
### Features:

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

### Description:

- 3mm round LED
- Emitting color: White, InGaN
- White diffused epoxy
- Viewing angle: 100°

### 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	100	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	-30to+85	°C
Storage Temperature Range	Tstg	-30to+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	400	500	--	mcd
Forward Voltage	Vf	IF=20mA	3.0	3.2	3.5	V
Peak Wavelength	$\lambda_p$	IF=20mA	--	--	--	nm
Dominant Wavelength	$\lambda_d$	IF=20mA	--	--	--	nm
Reverse Current	Ir	VR=5V	--	--	10	uA
Viewing Angle	2 $\theta$ 1/2	IF=20mA	--	100	--	Deg
Spectrum Line Halfwidth	$\Delta\lambda$	IF=20mA	--	--	--	nm
Color Rendering Index Calculation	Spm	X	--	0.27	--	--
		Y	--	0.28	--	--
Color Temperature	Tc	IF=20mA	--	9000	--	k

## Typical Optical-Electronic Characteristic Curves:

