

# 3.0mm Round Type LED Lamps

MODEL NO: IE-3RPG9UW-CC

## ★Features:

- Two chips are matched for uniform light output;
- Long life-solid state reliability;
- IC compatible/low power consumption;

## ★Lens Color:

- Water Clear       White Diffused

## ★Descriptions:

- The LED Lamp contains two integral chips And is available as both bicolor and bipolar types;
- The Super Red and Super Green Light are emitted by diodes of GaAlAs and GaP respectively.

## ★Applications:

- Indicators      ● Home Electric Appliance
- Automotive      ● Sign & Signal

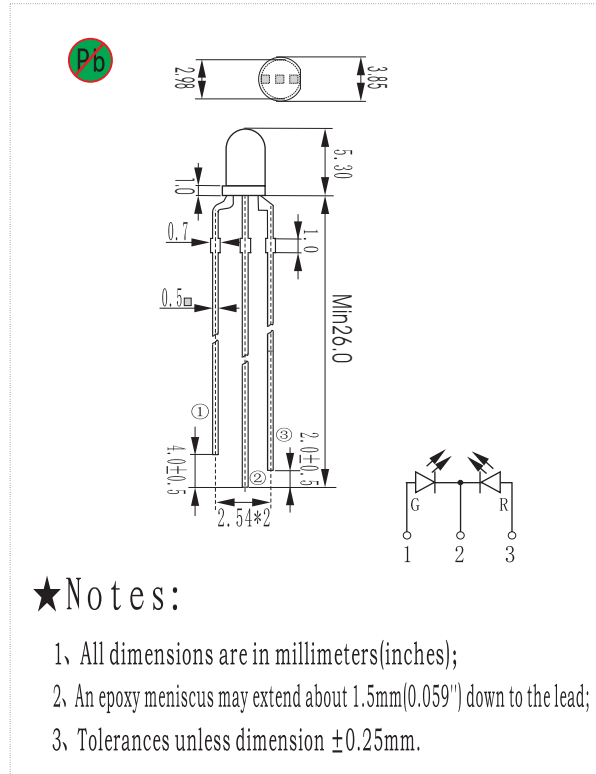
## ★Absolute Maximum Ratings (Ta=25°C):

Parameter	Symbol	Rating	Unit	Remark
Forward Current	$I_{FM}$	30	mA	—
Peak Forward Current	$I_{FP}$	100	mA	1/10 Duty Cycle
Reverse Voltage	$V_R$	5	V	—
Operating Temperature	$T_{OPR}$	-25 + 85	°C	—
Storage Temperature	$T_{Stg}$	-40 + 100	°C	—
Soldering Temperature	$T_{Sol}$	260	°C	<3 seconds
Power Dissipation	$P_d$	80	mW	—

## ★Electronic Optical Characteristics (Ta=25°C):

Part Number	Emitting Color	$V_F(V)$			$I_V(mcd)$		$I_R(\mu A)$ VR=5V	$\lambda d(nm)$	$\Delta \lambda(nm)$	Viewing Angle 2θ <sub>1/2</sub> (°)
		$I_F=20mA$			$I_F=20mA$					
		Min	Typ	Max	Typ	Max				
IE-3RPG9UW-CC	RED	1.65	2.0	2.4	100	—	<10	618-630	20	70°
	Pure Green	2.6	3.0	3.4	800	—		515-525	35	

## ★Package Dimension:



## ★Notes:

1. All dimensions are in millimeters(inches);
2. An epoxy meniscus may extend about 1.5mm(0.059") down to the lead;
3. Tolerances unless dimension  $\pm 0.25mm$ .

★Elucidation: **Pb** =Pb free Soldering Application, Pb<1000ppm (RoHS-Compliant)

- ▲ LEDs
- ▲ LED Displays
- ▲ LED Light
- ▲ Infrared LEDs
- ▲ LCD Backlight