



漳州市晶艺佳电子制造有限公司

ZhangZhou Jingyijia Electronic Manufacture Co.,Ltd.

8MM ROUND TYPE

LED LAMP

ABSOLUTE MAXIMUM RATINGS:(Ta=25)

Parameter	Package Dimensions
Reverse Voltage.....5 Volt	
Reverse Current (Vr =5V).....10uA	
Operating Temperature Range.....-40 To +85	
Storage Temperature Range..... -40 To +100	
Lead Soldering Temperature.....260 For 5 Seconds (1.6mm (1/16)From Body)	
<p>NOTES :</p> <p>1. All dimensions are in millimeters.</p> <p>2. Lead spacing is measured where the leads emerge from the package.</p> <p>3. Protuded resin under flange is 1.5 mm (0.059") Max.</p> <p>4. Specifications are subject to change without notice.</p>	Unit:mm

PART NO.SELECTION AND APPLICATION INFORMATION(RATINGS AT 25 AMBIENT)

Part No.	Chip Material	Lens Type	Emitting Color	Vf (V)		Peak Wavelength (nm)		Iv (mcd)		If (mA)	View Angle (deg)
				Typ	Max	Min	Max	Min	Max		
8R3UC-800	AlGaInp	Water Clear	Red	1.9	2.5	620	630	2000	4000	10-20	22
8O3UC-800			Orange	1.9	2.5	600	615	2000	4000		
8Y3UC-800			Yellow	1.9	2.5	585	590	2000	4000		
8G3HC-800	InGaN		Yellow Green	2.2	2.5	570	575	1000	1500		
8G4UC-800			Green	2.8	3.8	515	535	10000	12000		
8G4UC-800			Blue Green	2.8	3.8	500	510	8000	18000		
8B4UC-800			Blue	2.8	3.8	460	470	2200	4500		
8W4UC-800			White	2.8	3.8	/	/	12000	20000		
8P4UC-800			Purple	2.8	3.8	390	410	100	200		

TESTING CONDITION FOR EACH PARAMETER:

Parameter	Symbol	Unit	Test Condition
REVERSE VOLTAGE	Vr	Volt	Vr=5.0 Volt
REVERSE CURRENT	Ir	UA	If=20 mA
FORWARD VOLTAGE	Vf	Volt	If=20 mA
LUMINOUS INTENSITY	Iv	Mcd	If=20 mA
VIEWING ANGLE	2 1/2	Degree	
RECOMMENDED OPERATING CURRENT	If(Rec)	mA	