



# 漳州市晶艺佳电子制造有限公司

ZhangZhou Jingyijia Electronic Manufacture Co.,Ltd.

**10MM 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> <ol style="list-style-type: none"> <li>All dimensions are in millimeters.</li> <li>Lead spacing is measured where the leads emerge from the package.</li> <li>Protuded resin under flange is 1.5 mm (0.059") Max.</li> <li>Specifications are subject to change without notice.</li> </ol>	

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		
10R3UC-810	AlGaInp	Water Clear	Red	1.9	2.5	620	630	2200	4500	10-20	25
10O3UC-810			Orange	1.9	2.5	600	615	2200	4500		
10Y3UC-810			Yellow	1.9	2.5	585	590	2200	4500		
10G3HC-810	InGaN		Yellow Green	2.2	2.5	570	575	1200	1800		
10G4UC-810			Green	2.8	3.8	515	535	13000	25000		
10G4UC-810			Blue Green	2.8	3.8	500	510	10000	20000		
10B4UC-810			Blue	2.8	3.8	460	470	2500	5000		
10W4UC-810			White	2.8	3.8	/	/	13000	25000		
10P4UC-810			Purple	2.8	3.8	390	410	120	250		

**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	