



**JSL-321 Series**  
**(3mm round bi-color LED diode)**

**Features:**

1. 3mm round type, bi-color with 3 leads
2. White diffused or water clear lens are available
3. Common Anode or Common Cathode are available
4. IC compatible /Low current capability
5. Long life solid state reliability.
6. RoHs compliant.

**Electrical and optical characteristics(Ta=25 °c)**

Part Number	Dice material And color		Lens color	Peak Wave length	Vf(V) Typ	Iv(mcd)			Viewing Angle 2 θ 1/2
						Min	Typ	Max	
JSL-321RGW	AlGaInP	Ultra Red	White	625nm	2.0	300	450	550	60°
	AlGaInP	Ultra Green	Diffused	572nm	2.0	30	70	100	
JSL-321YGW	GaAsp/Gap	Ultra Yellow	White	590nm	2.0	300	450	550	60°
	Gap	Ultra Green	Diffused	572nm	2.0	30	70	100	
JSL-321RBW	AlGaInP	Ultra Red	White	625nm	2.0	300	450	550	60°
	AlGaInP	Ultra Blue	Diffused	470nm	3.2	600	800	1000	
JSL-321RPGW	AlGaInP	Ultra Red	White	625nm	2.0	300	450	550	60°
	AlGaInP	Pure Green	Diffused	525nm	3.2	1500	2000	2500	
JSL-321RGC	GaAsp/Gap	Hi-eff Red	Water Clear	625nm	2.0	600	900	1200	30°
	Gap	Green		572nm	2.0	50	100	150	
JSL-321YGC	GaAsp/Gap	Yellow	Water Clear	590nm	2.0	600	900	1200	30°
	Gap	Green		572nm	2.0	50	100	150	
JSL-321RBC	AlGaInP	Ultra Red	Water Clear	625nm	2.0	600	900	1200	30°
	AlGaInP	Ultra Blue		470nm	3.2	1000	2000	3000	
JSL-321RPGC	AlGaInP	Ultra Red	Water Clear	625nm	2.0	600	900	1200	30°
	AlGaInP	Pure Green		525nm	3.2	5000	6000	8000	

Note: Common Anode and Common Cathode can be made by choosing.

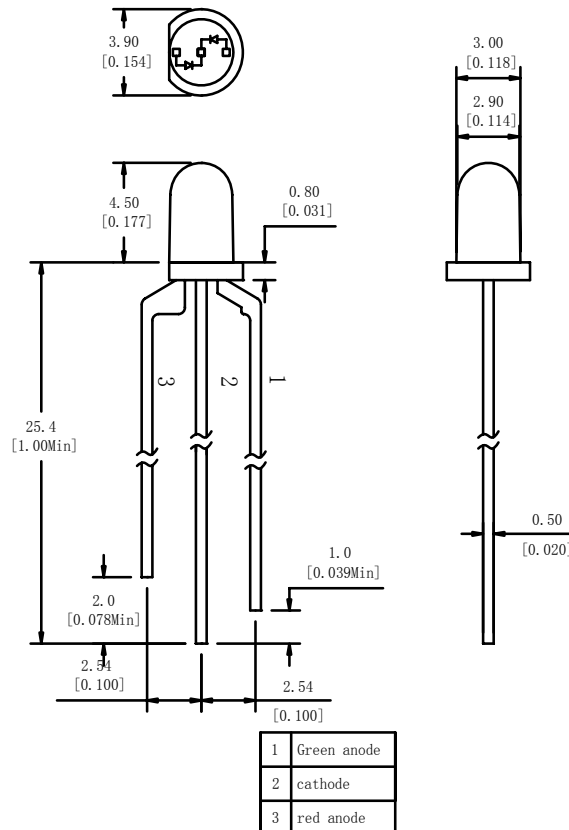


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### Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	UR	UY	UG	UB	PG	Unit
Forward Current	I <sub>F</sub>	25	25	25	30	30	mA
Power Dissipation	P <sub>d</sub>	60	60	60	100	100	mW
Reverse Voltage	V <sub>R</sub>	5					V
Peak Forward Current (Duty 1/10 @ 1KHZ)	I <sub>PF</sub>	150					mA
Operation Temperature	T <sub>OPR</sub>	-40 to +80					°C
Storage Temperature	T <sub>STG</sub>	-40 to +85					°C

### Package configuration:



- 1.All dimensions are millimeters (inches)
- 2.Tolerance is  $\pm 0.25\text{mm}$ (.010") unless otherwise noted.