



**JSL-303 Series**  
**(3mm round ultra bright diffused LED diode)**

**Features:**

- 1.Ultra brightness.
- 2.Choice of various viewing angles
- 3.IC compatible /Low current capability
- 4.Long life solid state reliability.
- 5. RoHs compliant.

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

Part Number	Dice material And color	Lens color	Peak Wavelength	Vf(V) Typ	Iv(mcd)			Viewing Angle 2 θ 1/2
					Min	Typ	Max	
JSL-303URD-S	AlGaInP/Ultra Red	Red Diffused	625nm	2.0	500	600	900	40°
JSL-303URD-U	AlGaInP/Ultra Red	Red Diffused	625nm	2.0	1000	1300	1600	40°
JSL-303UYD-S	AlGaInP/Ultra Yellow	Yellow Diffused	590nm	2.0	500	600	900	40°
JSL-303UYD-U	AlGaInP/Ultra Yellow	Yellow Diffused	590nm	2.0	1000	1300	1600	40°
JSL-303UAD	AlGaInP /Ultra Amber	Amber diffused	610nm	2.0	500	600	900	40°
JSL-303UGD	AlGaInP /Ultra Green	Green diffused	574nm	2.0	30	70	90	40°
JSL-303UBD	InGaIn/Ultra Blue	Blue Diffused	470nm	3.2	800	1000	1500	40°
JSL-303PGD	InGaIn/Pure Green	Green Diffused	525nm	3.2	2000	3000	4000	40°
JSL-303UW-W	InGaN/Ultra White	White Diffused	6000K	3.2	2500	3500	5000	40°
JSL-303WW-W	InGaN/Warm White	White Diffused	3300K	3.2	2000	3000	4500	40°

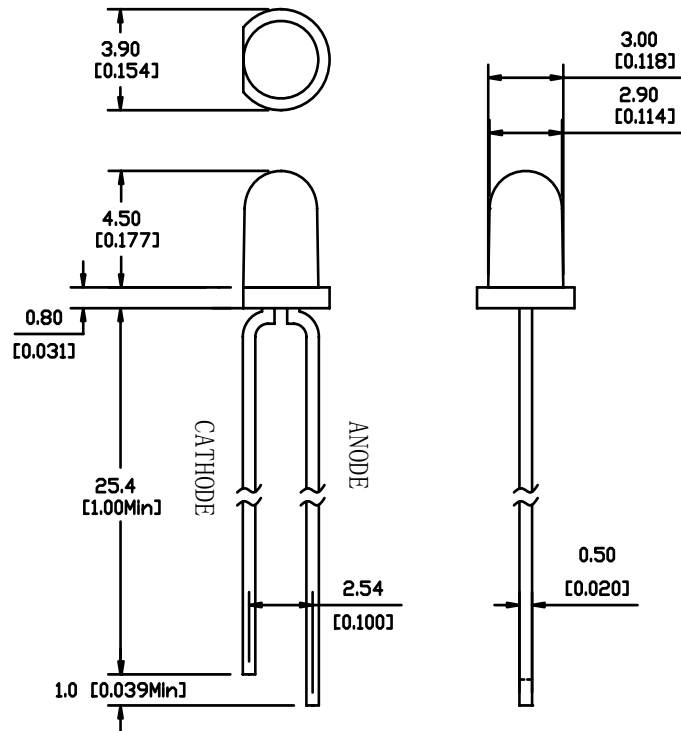


**JSL-502 Series**

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

Parameter	Symbol	UR	UY	UG	UA	UB	BG	PG	UV	UP	UW	WW	Unit
Forward Current	I <sub>F</sub>	25	25	25	25	30	30	30	30	30	30	30	mA
Power Dissipation	P <sub>d</sub>	60	60	60	60	100	100	100	100	100	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 ±0.25mm(.010") unless otherwise noted.