



## JSL-259 Series (2x5mm round bi-color LED diode)

### Features:

1. 2x5mm type, bi-color with 3 leads
2. White diffused or water clear lens are available
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 Wave length	Vf(V) Typ	Iv(mcd)			Viewing Angle 2 θ 1/2
						Min	Typ	Max	
JSL-259RGW	AlGaInP	Ultra Red	White	625nm	2.0	20	60	100	110°
	AlGaInP	Ultra Green	Diffused	572nm	2.0	10	40	70	
JSL-259YGW	GaAsp/Gap	Ultra Yellow	White	590nm	2.0	20	60	100	110°
	Gap	Ultra Green	Diffused	572nm	2.0	10	40	70	
JSL-259RBW	AlGaInP	Ultra Red	White	625nm	2.0	30	60	100	110°
	AlGaInP	Ultra Blue	Diffused	470nm	3.2	30	70	100	
JSL-259RPGW	AlGaInP	Ultra Red	White	625nm	2.0	30	60	100	110°
	AlGaInP	Pure Green	Diffused	525nm	3.2	80	100	200	
JSL-259RGC	GaAsp/Gap	Hi-eff Red	Water Clear	625nm	2.0	50	100	200	110°
	Gap	Green		572nm	2.0	30	80	100	
JSL-259YGC	GaAsp/Gap	Yellow	Water Clear	590nm	2.0	50	100	200	110°
	Gap	Green		572nm	2.0	30	80	100	
JSL-259RBC	AlGaInP	Ultra Red	Water Clear	625nm	2.0	50	100	200	110°
	AlGaInP	Ultra Blue		470nm	3.2	50	100	200	
JSL-259RPGC	AlGaInP	Ultra Red	Water Clear	625nm	2.0	50	100	200	110°
	AlGaInP	Pure Green		525nm	3.2	100	200	400	

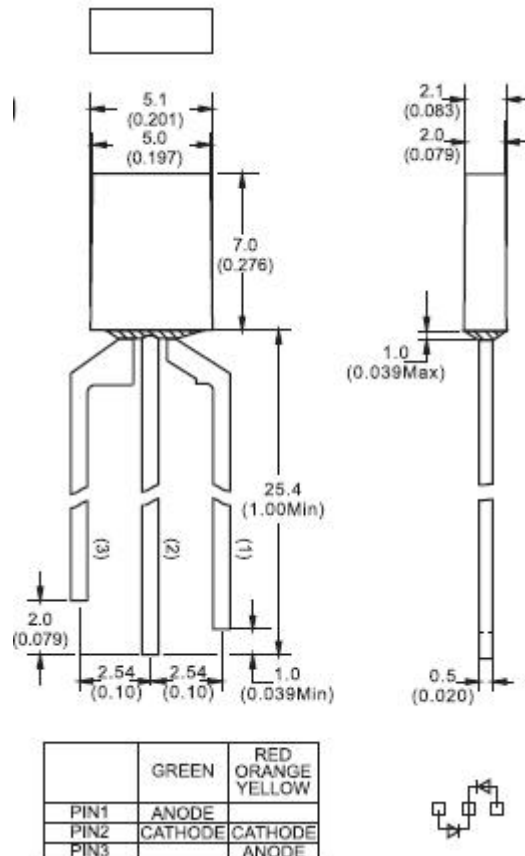


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**Absolute Maximum Ratings at Ta=25°C**

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 ±0.25mm(.010") unless otherwise noted.