



## JSL-251 Series (2x5mm ultra brightness LED diode, no flange)

### 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-251ED	AlGaInP /Red	Red diffused	625nm	2.0	20	50	70	110°
JSL-251URC	AlGaInP /Ultra Red	Water Clear	625nm	2.0	50	100	200	110°
JSL-251YD	AlGaInP/ Yellow	Yellow diffused	590nm	2.0	20	50	70	110°
JSL-251UYC	AlGaInP/Ultra Yellow	Water Clear	590nm	2.0	50	100	200	110°
JSL-251GD	AlGaInP / Green	Water Clear	574nm	2.0	10	30	50	110°
JSL-251UAC	AlGaInP /Ultra Amber	Water Clear	610nm	2.0	50	100	200	110°
JSL-251UBC	InGaN/Ultra Blue	Water Clear	470nm	3.2	100	150	200	110°
JSL-251PGC	InGaN/Pure Green	Water Clear	525nm	3.2	200	500	800	110°
JSL-251UWC	InGaN/Ultra White	Water clear	6000k	3.2	200	500	800	110°
JSL-251WWC	InGaN/Ultra White	Water clear	6000k	3.2	200	500	800	110°

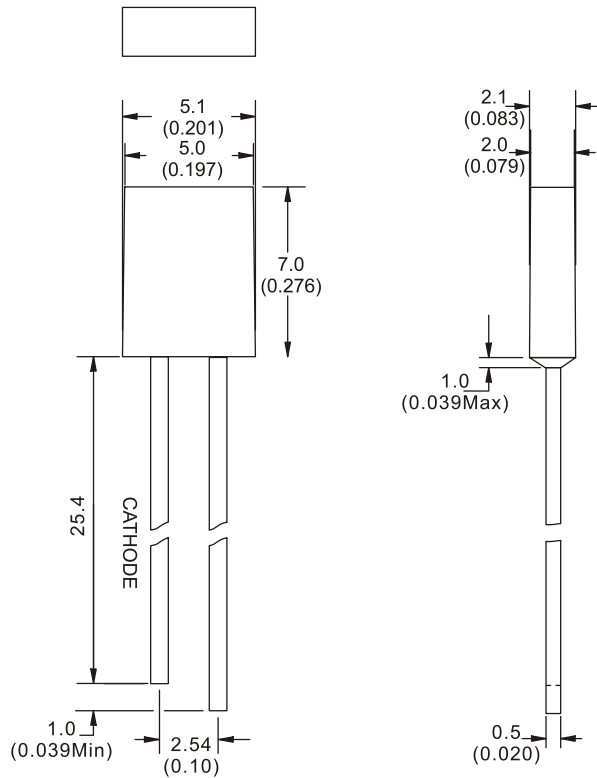


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### Absolute Maximum Ratings at Ta=25°C

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  $\pm 0.25\text{mm}$ (.010") unless otherwise noted.