



JSL-502 Series

(5mm 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-502URD-S	AlGaInP/Ultra Red	Red Diffused	625nm	2.0	500	700	900	30°
JSL-502URD-U	AlGaInP/Ultra Red	Red Diffused	625nm	2.0	1000	1500	2000	30°
JSL-502UYD-S	AlGaInP/Ultra Yellow	Yellow Diffused	590nm	2.0	500	700	900	30°
JSL-502UYD-U	AlGaInP/Ultra Yellow	Yellow Diffused	590nm	2.0	1000	1500	2000	30°
JSL-502UAD	AlGaInP /Ultra Amber	Amber diffused	610nm	2.0	500	700	900	30°
JSL-502UGD	AlGaInP /Ultra Green	Green diffused	574nm	2.0	30	80	100	30°
JSL-502UBD	InGaN/Ultra Blue	Blue Diffused	470nm	3.2	1000	1500	2000	30°
JSL-502PGD	InGaN/Pure Green	Green Diffused	525nm	3.2	2500	4000	5000	30°
JSL-502UW-W	InGaN/Ultra White	White Diffused	6000k	3.2	3000	5000	8000	30°
JSL-502WW-W	InGaN/Warm White	White Diffused	3300k	3.2	3000	4500	8000	30°

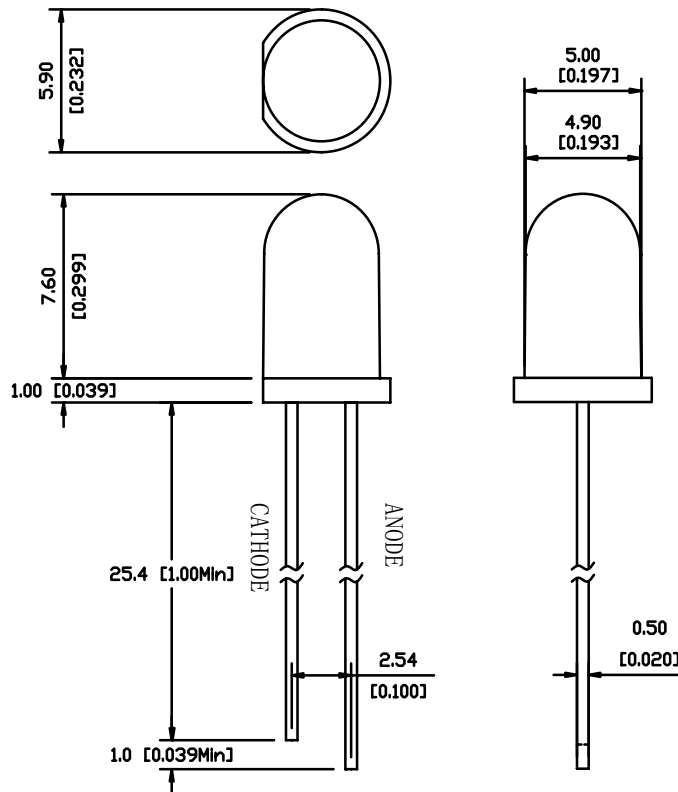


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Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	UR	UY	UG	UA	UB	BG	PG	UV	UP	UW	WW	Unit
Forward Current	I _F	25	25	25	25	30	30	30	30	30	30	30	mA
Power Dissipation	P _d	60	60	60	60	100	100	100	100	100	100	100	mW
Reverse Voltage	V _R	5											V
Peak Forward Current (Duty 1/10 @1KHZ)	I _{PF}	150											mA
Operation Temperature	T _{OPR}	-40 to +80											°C
Storage Temperature	T _{STG}	-40 to +85											°C

Package configuration:



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