



JSL-502 Series (5mm round ultra brightness 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-502URC-TL	AlGaInP/Ultra Red	Water Clear	625nm	2.0	4000	5000	6000	26°
JSL-502UYC-TL	AlGaInP/Ultra Yellow	Water Clear	590nm	2.0	4000	5000	6000	26°
JSL-502BGC-TL	InGaN/Bluish Green	Water Clear	505nm	3.2	8000	10000	15000	26°
JSL-502URC-30	AlGaInP/Ultra Red	Water Clear	625nm	2.0	3500	4500	5500	30°
JSL-502UYC-30	AlGaInP/Ultra Yellow	Water Clear	590nm	2.0	3500	4500	5500	30°
JSL-502UBC-30	InGaN/Ultra Blue	Water Clear	470nm	3.2	4000	6000	8000	30°
JSL-502PGC-30	InGaN/Pure Green	Water Clear	525nm	3.2	10000	15000	20000	30°
JSL-502UWC-30	InGan/Ultra White	Water clear	6000K	3.2	10000	15000	20000	30°
JSL-502URC-45	AlGaInP/Ultra Red	Water Clear	625nm	2.0	2000	2500	3500	45°
JSL-502UYC-45	AlGaInP/Ultra Yellow	Water Clear	590nm	2.0	2000	2500	3500	45°
JSL-502UBC-45	InGaN/Ultra Blue	Water Clear	470nm	3.2	2500	3500	4500	45°
JSL-502PGC-45	InGaN/Pure Green	Water Clear	525nm	3.2	5000	8000	11000	45°
JSL-502UWC-45	InGan/Ultra White	Water clear	6000K	3.2	6000	8000	12000	45°

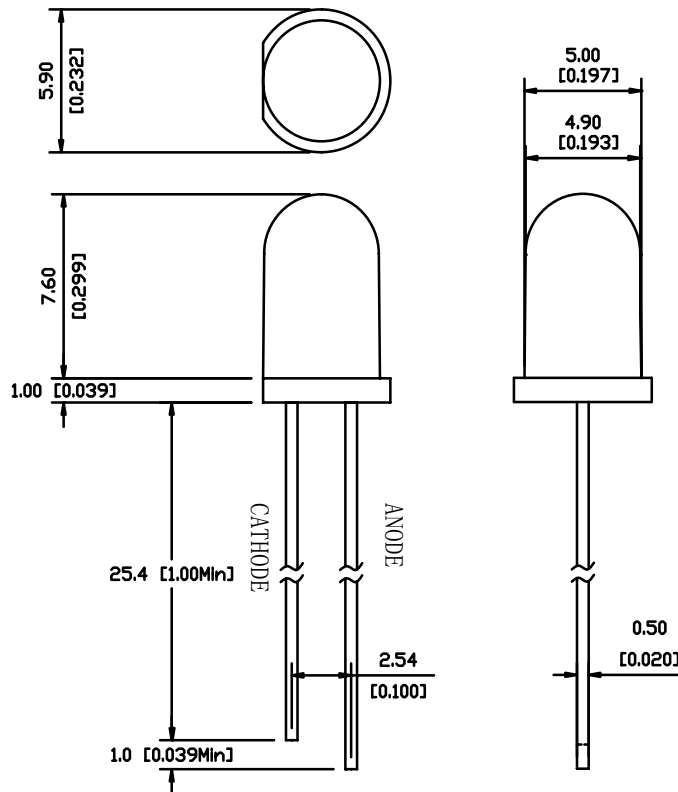


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Absolute Maximum Ratings at Ta=25°C

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.