



JSL-502 Series

(5mm round blinking LED diode)

Features:

- 1.Standard brightness.
2. General application for indication
- 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	Pulse Rate (Hz) Typ	Vf(V) Typ	Iv(mcd)			Viewing Angle 2 θ 1/2
						Min	Typ	Max	
JSL-502RD-B	GaAlAs/Red	Red Diffused	625nm	1.5Hz	2.5-3.5	100	200	250	40°
JSL-502GD-B	GaP/Green	Green Diffused	570nm	1.5Hz	2.5-3.5	10	20	30	40°
JSL-502YD-B	GaAsP/Yellow	Yellow Diffused	585nm	1.5Hz	2.5-3.5	100	200	250	40°
JSL-502RC-B	GaAlAs/Red	Water Clear	625nm	1.5Hz	2.5-3.5	700	1300	1800	25°
JSL-502GC-B	GaP/Green	Water Clear	570nm	1.5Hz	2.5-3.5	70	100	120	25°
JSL-502YC-B	GaAsP/Yellow	Water Clear	585nm	1.5Hz	2.5-3.5	700	1300	1800	25°
JSL-502BC-B	InGaN/Blue	Water Clear	425nm	1.5Hz	3.5-4.5	1000	1500	2000	25°
JSL-502PGC-B	InGaN/Pure Green	Water Clear	525nm	1.5Hz	3.5-4.5	2000	2500	3500	25°
JSL-502UW-B	InGaN/Ultra White	Water Clear	6000K	1.5Hz	3.5-4.5	3000	4000	5000	25°
JSL-502WW-B	InGaN/warm White	Water Clear	3000K	1.5Hz	3.5-4.5	3000	4000	5000	25°

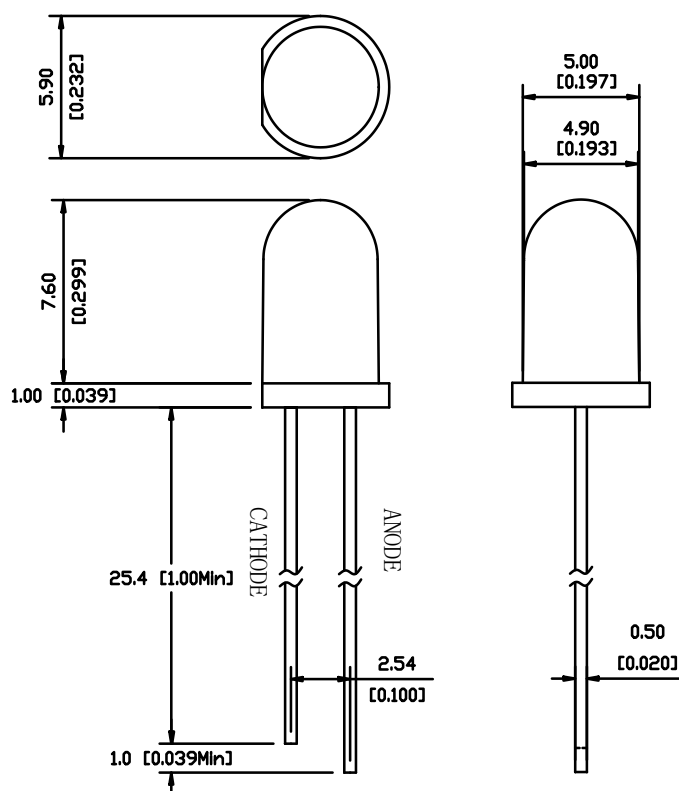


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Absolute Maximum Ratings at Ta=25°C

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.