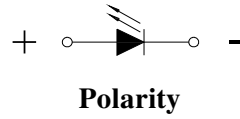
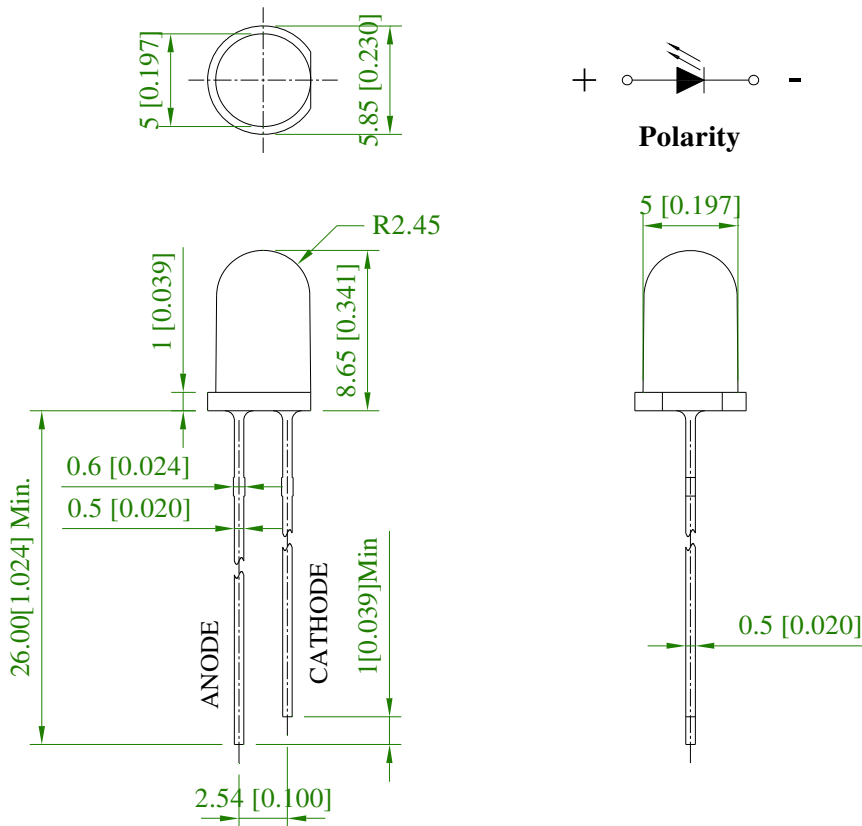


Package Dimension:


Part No.	Chip Material	Lens Color	Source Color
504WC2E-W6-3PC	InGaN	Water Clear	Warm White

Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ± 0.25 mm (.010") unless otherwise noted.
3. Protruded resin under flange is 1.00 mm (.039") max.
4. Specifications are subject to change without notice.

Absolute Maximum Ratings at Ta=25°C

Parameters	Symbol	Max.	Unit
Power Dissipation	PD	95	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	IFP	100	mA
Forward Current	IF	25	mA
Reverse Voltage	VR	5	V
Electrostatic Discharge (HBM)	ESD	2000	V
Operating Temperature Range	Topr	-40°C to +85°C	
Storage Temperature Range	Tstg	-40°C to +100°C	
Lead Soldering Temperature [4mm (.157") From Body]	Tsld	260°C for 5 Seconds	

Electrical Optical Characteristics at Ta=25°C

Parameters	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	Iv	18000	23000	---	mcd	IF =20mA
Viewing Angle	2θ _{1/2}	---	15	--	Deg	IF =20mA
Chromaticity Coordinates	x	---	0.43	---	---	IF =20mA
	y	---	0.40	---	---	
Forward Voltage	VF	2.60	3.10	3.60	V	IF =20mA
Reverse Current	IR	---	---	10	μA	VR=5V

Notes:

- Luminous Intensity Measurement allowance is $\pm 10\%$.
- $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- It use many parameters that correspond to the CIE 1931 2°. X, Y, and Z are CIE 1931 2° values of Red, Green and Blue content of the measurement.