

Ultra Bright LEDs

HLEC-503PGCH-

Chip Material: AlGaInP

Ultra Bright LED Lamp: Bluish-green

Construction: Gas Phase Epitaxial

Application: Traffic Signal, Automotive Exterior Lighting

Package Dimensions

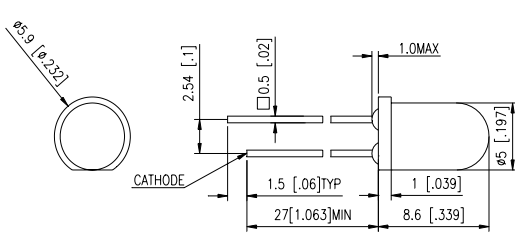


Fig. 1

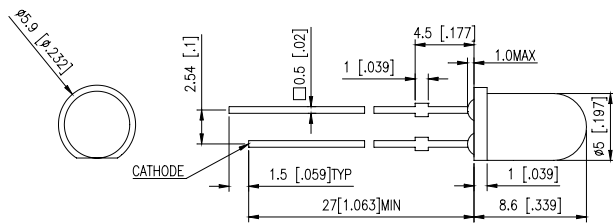


Fig. 2 *1

Absolute maximum Ranges (Ta=25±3)

Power Dissipation	Pd	120mW	
DC Forward Current	If	30mA	
Pulsed Forward Current	Ifp	100mA	*2
Reverse Voltage	Vr	5V	
Operating Temperature	Topr	-30~+80	
Storage Temperature	Tstg	-40~+100	

Electrical and Optical Characteristics (Ta=25±3)

Type	Part No.	Chip			Lens Color	Vf(V)		Luminous Intensity Iv *3				2θ (Deg.)
		Material	Emitting Color	Wavelength p(nm)*4		Typ.	Max.	at If=mA	Min. (mcd)	Typ. (mcd)	Max. (mcd)	
5mm Round	503PGCH-A-15	AlGaInP	Pure green	525	Water Clear	3.5	4.5	20	3300	4500	4900	15
	503PGCH-A-23	AlGaInP	Pure green	525	Water Clear	3.5	4.5	20	3300	4500	4900	23
	503PGCH-A-30	AlGaInP	Pure green	525	Water Clear	3.5	4.5	20	3300	4500	4900	30
	503PGCH-B-15	AlGaInP	Pure green	525	Water Clear	3.5	4.5	20	4900	6000	7300	15
	503PGCH-B-23	AlGaInP	Pure green	525	Water Clear	3.5	4.5	20	4900	6000	7300	23
	503PGCH-B-30	AlGaInP	Pure green	525	Water Clear	3.5	4.5	20	4900	6000	7300	30

(*1) Fig.2 shows the outline of LED with stopper. This series is named as 503PGCH-X-XX-S.

(*2) Duty 1/10 Pulse Width 10ms.

(*3) Guaranteed value what is include tolerance of measurement of Luminous Intensity by Toyoda Gosei's method is ±20%.

(*4) Guaranteed Value what is include tolerance of measurement of Dominant wavelength by Toyoda Gosei's method is ±2nm.