



**LED595LW**

### Description

The LED595LW is an AlGaInP LED mounted in a hermetically sealed TO-39 package with a flat window.

### Specifications

Absolute Max Ratings	
Reverse Voltage	5 V
DC Forward Current	150 mA
Operating Case Temperature	-40 to 100 °C
Storage Temperature	-40 to 120 °C



Specifications <sup>a</sup>			
	Min	Typical	Max
Operating Current (Continuous)	-	-	150 mA
Forward Voltage at 100 mA	-	2.8 V	-
Optical Output Power at 100 mA	-	45 mW	-
Viewing Half Angle	-	50°	-
Peak Wavelength	575 nm	595 nm	615 nm
Bandwidth (FWHM)	-	75 nm	-

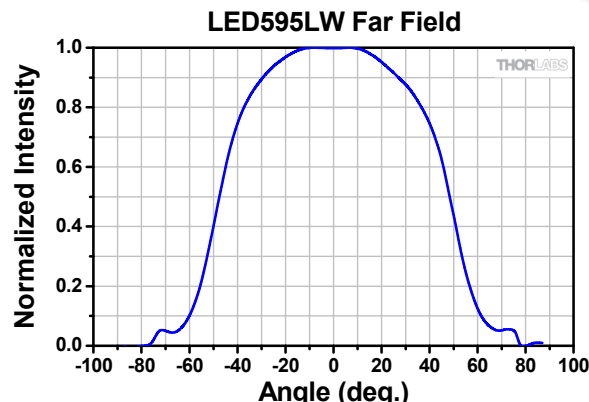
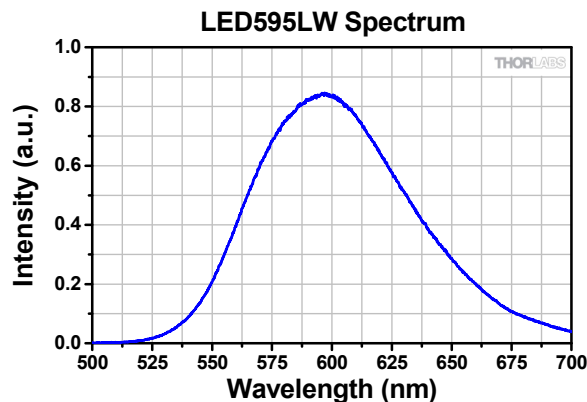
a. Unless otherwise specified, all specifications are for operation at 25 °C.

Soldering Specifications	
	Conditions
Dip Soldering	Pre-Heat Backside of PCB at 90 °C Maximum for 60 Seconds or Less; Solder Bath at 250 °C Maximum for 5 Seconds or Less
Hand Soldering	Soldering Iron Tip at 250 °C Maximum for 3 Seconds or Less

Cleaning Solvents						
Solvent	Ethyl Alcohol	Isopropyl Alcohol	Propanol	Acetone	Trichloroethylene	MKS
Approved	Yes	Yes	Yes	Yes	No	No

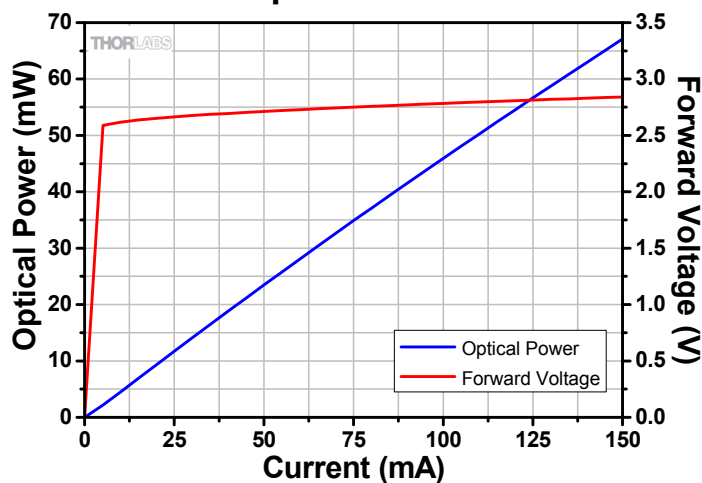
## Typical Performance Plots

These measurements were taken at a case temperature of 25 °C. The output spectrum and radiation distribution were measured with an operating current of 100 mA.

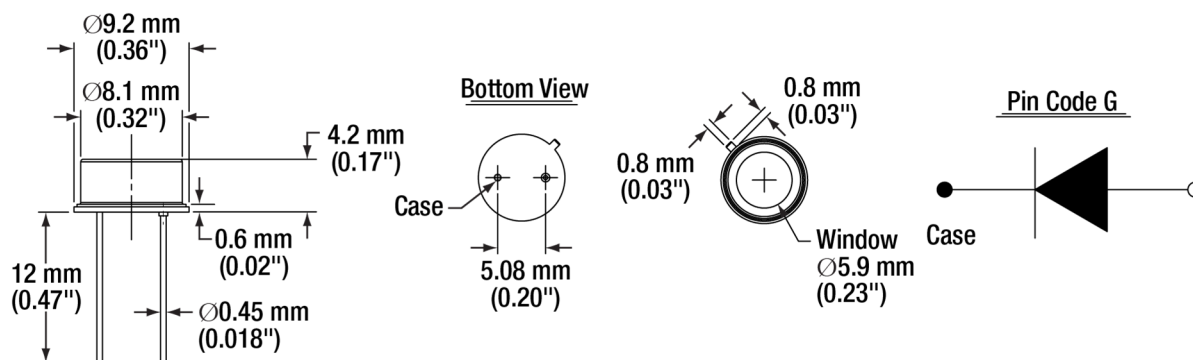


Measured 190 mm from the LED.

## LED595LW Sample L-I-V Characteristics



## Drawing



## ***Precautions and Warranty Information***

These products are ESD (electro static discharge) sensitive and as a result are not covered under warranty. In order to ensure the proper functioning of an LED care must be given to maintain the highest standards of compliance to the maximum electrical specifications when handling such devices. The LEDs are particularly sensitive to any voltage that exceeds the absolute maximum ratings of the product. Any applied voltage in excess of the maximum specification will cause damage and possible complete failure to the product. The user must use handling procedures that prevent any electro static discharges or other voltage surges when handling or using these devices.

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- 2. A critical component is any component in a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system or to affect its safety or effectiveness.*
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