

L830P200

### Description

Thorlabs Ø5.6 mm, TO-can package, discrete laser diode is a compact light source suited to many applications. This diode is manufactured by OCLARO as Item # SM830-200-TO56-R01. This laser is fully compatible with our line of Laser Diode and TEC Controllers as well as our selection of Laser Diode Mounts and Collimation Solutions.

### Specifications

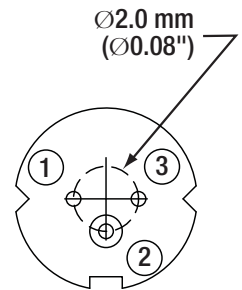
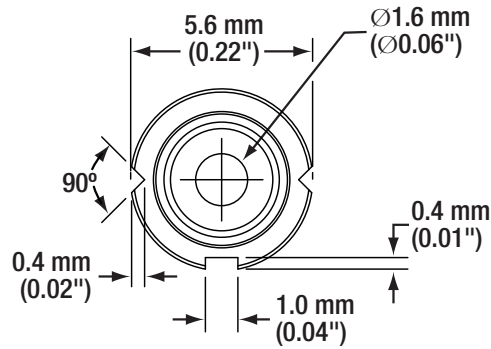
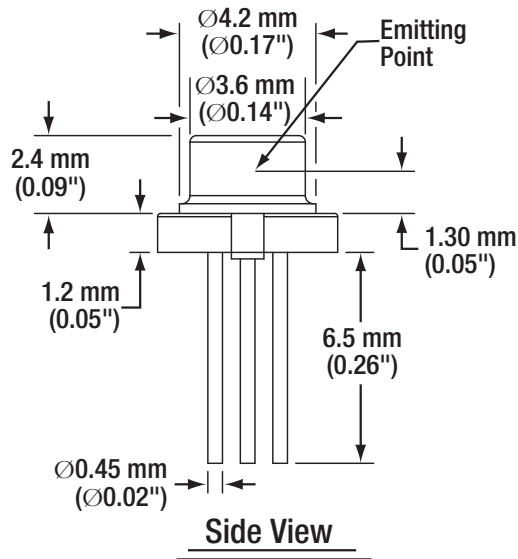
Specification	Max
Storage Temperature	-40 to 85 °C
Operation Case Temperature	0 to 60 °C
Lead Soldering Temperature	260 °C



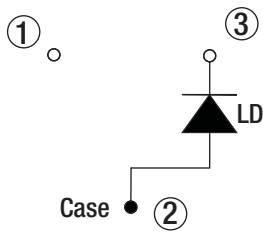
L830P200				
	Symbol	Min	Typical	Max
Center Wavelength	$\lambda_o$	818 nm	824 nm	830 nm
Output Power	$P_o$	-	-	200 mW
Operating Current CW @ $P_o$	$I_{op}$	-	210 mA	230 mA
Threshold Current	$I_{TH}$	-	40 mA	55 mA
Operating Voltage @ $P_o$	$V_{op}$	-	2.1 V	2.2 V
Beam Divergence (FWHM) Parallel @ $P_o$	$\theta_{//}$	5.5°	-	8.5°
Beam Divergence (FWHM) Perpendicular @ $P_o$	$\theta_{\perp}$	16°	-	21°
Slope Efficiency	$\Delta P / \Delta I$	-	1.0 W/A	-

$T_{CHIP} = 25^{\circ}\text{C}$

## Drawings



## Pin Code



**Pin Code E**

Pin	Description
1	-
2	Case Common
3	Laser Cathode