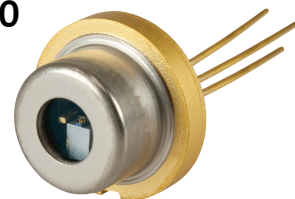


M9-A64-0200



### Description

Thorlabs' Ø9 mm, TO-can package, discrete laser diodes are compact light sources suited to many applications. Our lasers are fully compatible with our entire line of Laser Diode and TEC Controllers as well as our selection of Laser Diode Mounts and Collimation Solutions.

### Specifications

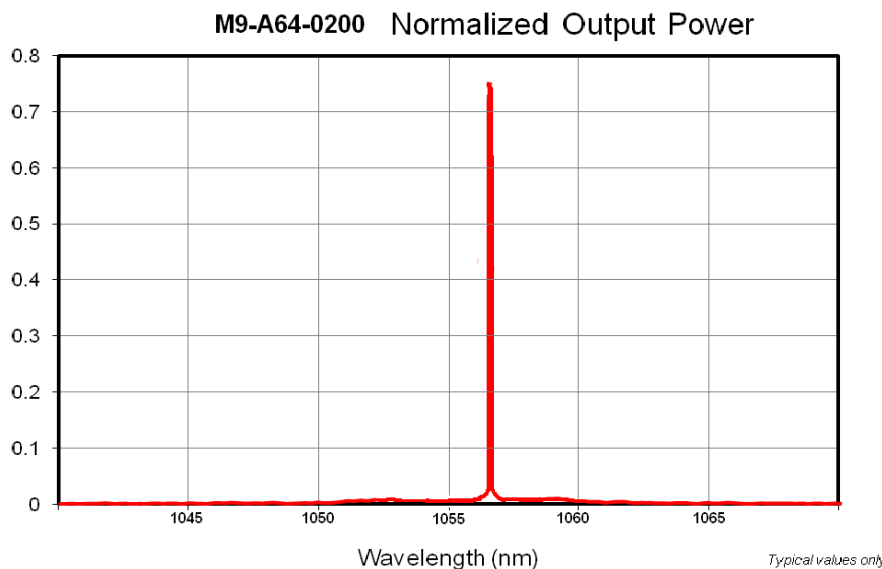
Absolute Maximum Ratings	
Operating Temperature	-20 to 50 °C
Storage Temperature	-40 to 80 °C
Lead Soldering Temperature (5 sec)	250 °C
Pin Code	A



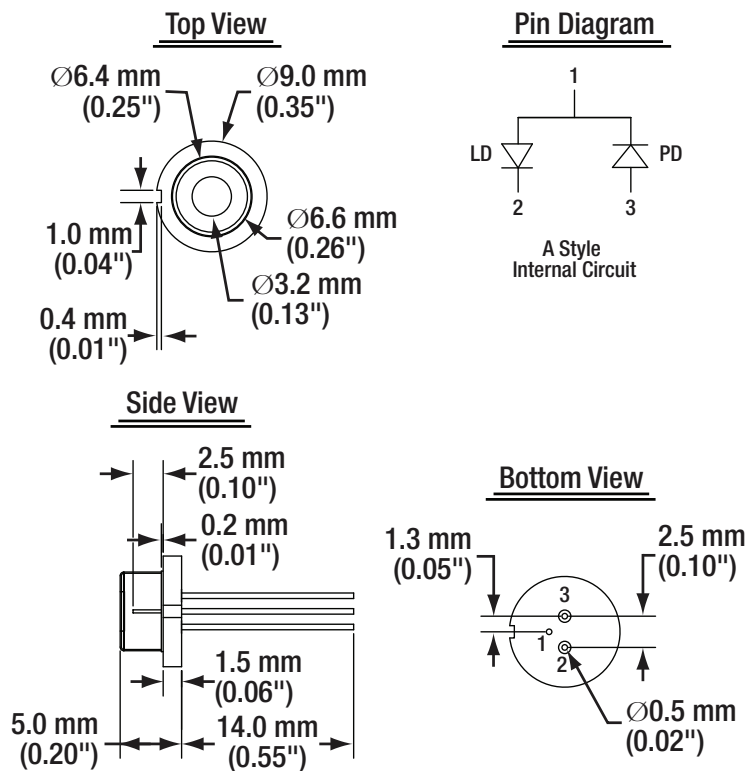
M9-A64-0200				
	Symbol	Min	Typical	Max
Center Wavelength	$\lambda_c$	1054 nm	1064 nm	1074 nm
Spectral Bandwidth (RMS)	$\Delta\lambda$	-	0.5 nm	2 nm
Output Power CW @ $I_{CW}$	$P_{CW}$	-	200 mW	-
Operating Current CW	$I_{CW}$	-	280 mA	350 mA
Threshold Current	$I_{TH}$	-	50 mA	100 mA
Forward Voltage	$V_F$	-	1.7 V	2.0 V
Slope Efficiency	$\Delta P/\Delta I$	0.8 W/A	0.9 W/A	-
Beam Divergence (FWHM) Parallel	$\theta_{\perp}$	-	8°	10°
Beam Divergence (FWHM) Perpendicular	$\theta_{//}$	-	28°	30°

$T_{CASE} = 25\text{ °C}$

## Typical Performance Plots



## Drawings



Pin	Description
1	Case
2	Laser Cathode
3	Photodiode Anode