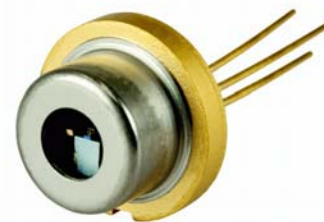


Laser Diode



M9-808-0150



Description

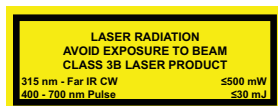
Thorlabs Ø9 mm, TO-can package discrete laser diode is a compact light source suited to many applications. Our lasers are fully compatible with our entire line of Laser Diode and TEC Controllers as well as our selection of Laser Diode Mounts and Collimation Solutions.

Specifications

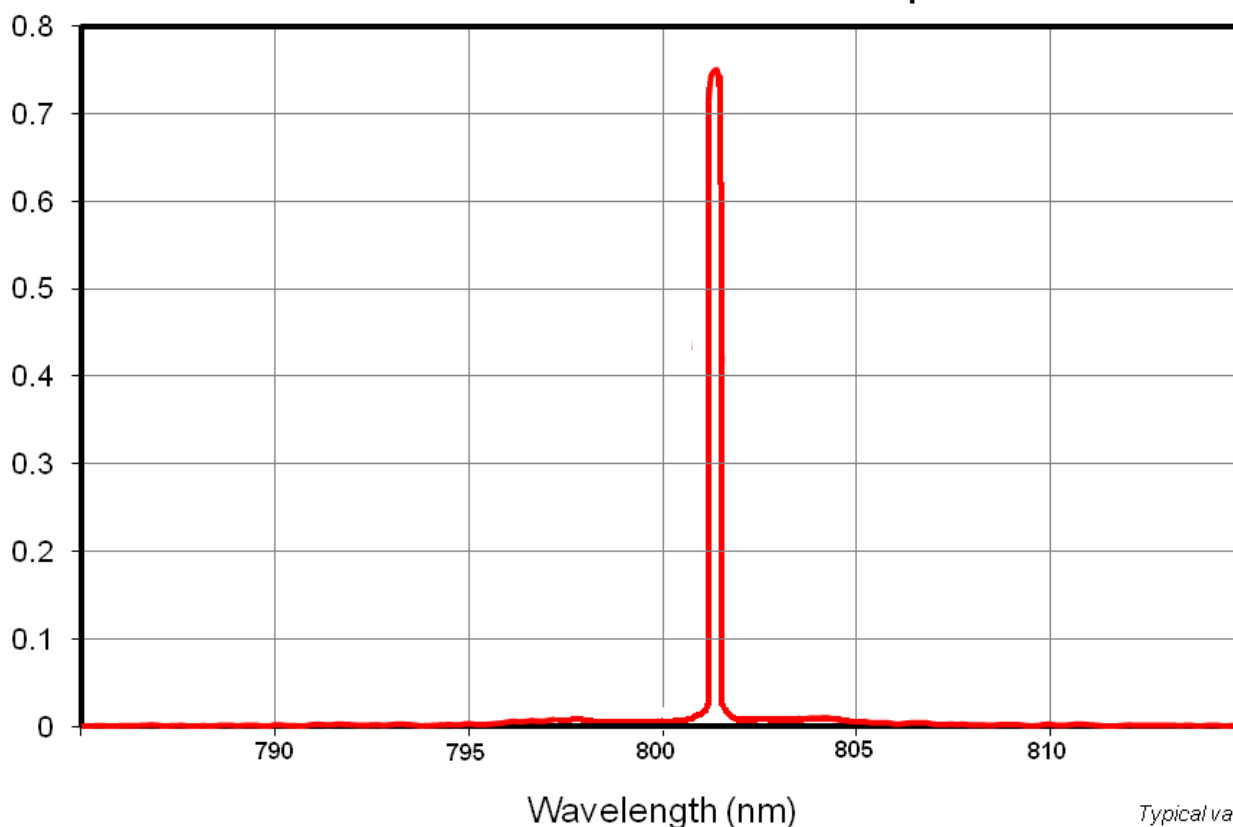
($P_o = 150$ mW, $T_c = 25$ °C)

Specification	Symbol	Max
Storage Temperature,	°C	-40 to +80
Operation Case Temperature,	°C	-20 to +50
Lead Soldering Temp. (5 sec)	°C	250

Specification	Symbol	Min	Typ	Max
Wavelength, nm	λ_p	803	808	813
Spectrum, nm FWHM		-	0.5	2
Output Power, mW	P_o	-	150	-
Operation Current, mA	I_{op}	-	180	220
Operating Voltage, V	V_{op}	-	1.9	2.2
Kink-Free Power, mW		160	-	-
Lifetime Hour	hr	100,000	-	-
Vertical Far Field FWHM	deg	13	17	22
Parallel Far Field FWHM	deg	-	8	11
Threshold Current, mA	I_{th}	-	30	50
Slope Efficiency, mW/mA	η	0.9	1.0	-

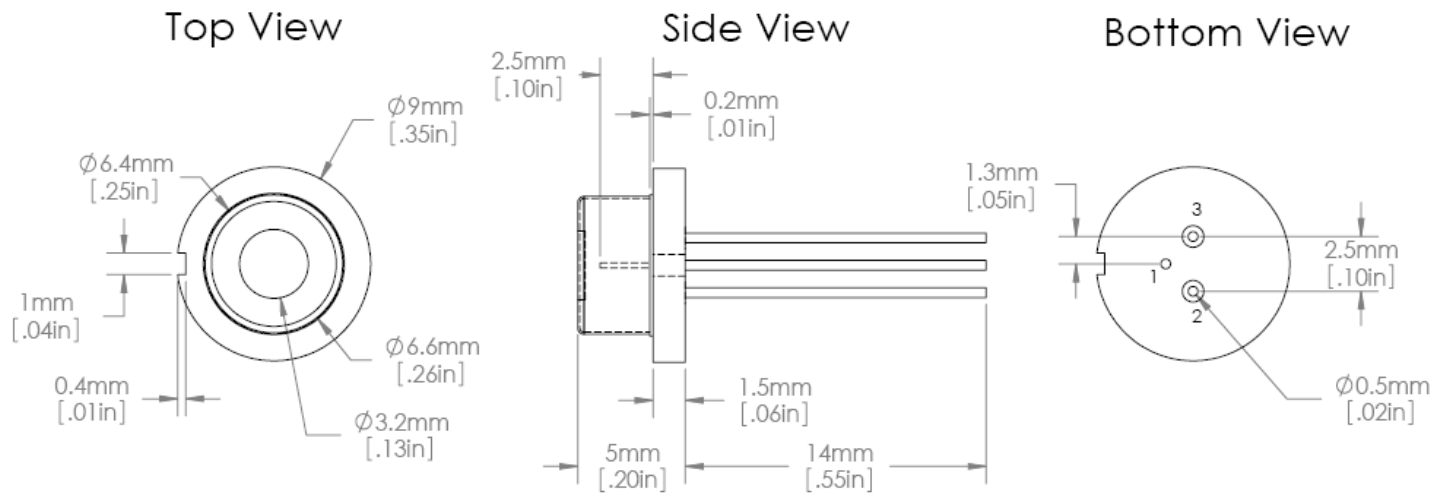


M9-808-0150 Normalized Output Power

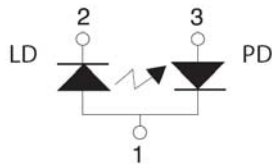


Typical values only

Drawings



Pin Code A



Pin Description

- 1 Case Common
- 2 Laser Cathode
- 3 Monitor Diode Anode

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