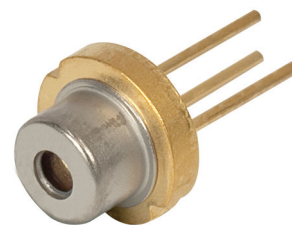


## 404 nm Multimode Laser Diode, 400 mW

L404P400M



### 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 # HL40053MG. 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



Absolute Max Ratings	
Optical Output Power (CW)	500 mW
LD Reverse Voltage	5 V
Operating Temperature	0 to 30 °C
Storage Temperature	-35 to 85 °C

L404P400M				
	Symbol	Min	Typical	Max
Center Wavelength	$\lambda_c$	398 nm	404 nm	410 nm
Output Power (CW)	$P_O$	-	400 mW	-
Operating Voltage @ $P_O$	$V_{OP}$	-	4.9 V	-
Parallel Beam Divergence Angle <sup>a</sup> @ $P_O$	$\theta_{  }$	5°	13°	25°
Perpendicular Beam Divergence Angle <sup>a</sup> @ $P_O$	$\theta_{\perp}$	30°	42°	50°
Operating Current @ $P_O$	$I_{OP}$	-	370 mA	410 mA
Threshold Current	$I_{TH}$	-	110 mA	130 mA
Slope Efficiency <sup>b</sup>	$\eta$	-	1.4 mW/mA	-

a. Specified as the Full Angle at  $1/e^2$

b. Slope Efficiency is Approximate

$T_{CHIP} = 25\text{ °C}$

## Drawing

