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## 640nm 50mW Low Cost Turnkey Laser



Low Cost Turnkey Laser & Power Supply (Included)



Stock **#35-074** **1 In Stock**

⊖ 1 ⊕ **S\$4,424<sup>00</sup>**

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### Product Downloads



### General

**Warm-Up Time (minutes):**  
<10

**Type of Laser:**  
Diode

**Laser Class - CDRH:**  
IIIb

**Mean Time to Failure MTTF (hours):**  
>10,000

## Physical & Mechanical Properties

Pointing Stability after Warm Up (mrad/°C):  
<0.05

Dimensions (mm):  
143.5 x 73.0 x 46.2

Beam Height from Base Plate (mm):  
24.8

## Optical Properties

Polarization:  
>50:1

Wavelength (nm):  
640.00

Mode Quality, M<sup>2</sup>:  
<1.5

Wavelength Tolerance (nm):  
±5

Beam Diameter (mm):  
3.00

Beam Divergence (mrad):  
<1.0

Color:  
Red

## Electrical

Output Power (mW):  
50

Power Stability (%):  
<2% RMS over 4 hours

Modulation Frequency (kHz):  
1-10

## Hardware & Interface Connectivity

Power Supply:  
153.0 x 155.0 x 92.0

Power Requirement:  
85-264VAC

Output Type:  
Free Space

## Regulatory Compliance

RoHS 2015:  
[Compliant](#)

Certificate of Conformance:  
[View](#)

Reach 233:  
[Compliant](#)

## Product Details

- Multiple Colors and Wavelengths Available
- Ideal for Microscopy Applications
- TE Cooled

Low Cost Turnkey Lasers offer excellent beam quality and output powers up to 50mW. These lasers feature compact designs for simplified integration and manually adjustable output power through the control box. Each laser features TE cooling and flexible interface allowing for digital or analog modulation, with multiple color and wavelength options available. Low Cost Turnkey Lasers are ideal for research, flow cytometry, and microscope illumination applications.

**Note:** Power supply included. Fiber-coupled lasers include 1m SMA905 coupled fiber.

## Technical Information

