



# Laser Diode Module, 1550 nm, 5 mW, CW, Elliptical beam

MODEL: LQC1550-05E

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## Overview

The LQC1550-05E CW Laser Diode Module is an economical choice. It includes the diode and collimating optics in a single case. This Fabry-Perot (FP) 1550 nm Laser Diode Module with a 5 mW CW elliptical beam comes in a self contained module. It requires a 5 VDC external power supply. An LPMS-5-110 or LPMS-5-220 Series Power Supply (not included) must be used with this LD module to meet CDRH requirements by providing an interlock input, key enable switch, delayed start-up, and laser active indicator. Warranty is not applicable when a custom power supply is used to drive the module.

### Product Series Overview

[Laser Diode Modules, CW](#)

## Technical Specs

Type	CW Laser Diode	Size	Ø38.1 x 157.5 mm
Center Wavelength	1550 nm	Noise	<0.5%
Center Wavelength Tolerance	±20 nm	Applications	Spectroscopy, Interferometry, Machine Vision, Marking, Flow Cytometry, Tissue Fluorescence
Output Power	5 mW		
Power Stability	<1% (8 hr.)		
Beam Diameter (1/e²)	3.42 x 4.11 mm	Linewidth	1 nm
Beam Divergence Full Angle	<1.5 x 0.7 mrad	Power Requirements	4.8 to 12 VDC
Maximum Operating Current	3000 mA	Operating Temperature	0 to 40°C



## Resources & Downloads

Manuals

[LQx Series Laser Diode Modules User's Manual](#)  
(744.2 kB, PDF)

## Related Products

### Accessories

Compare	Description	Drawings, CAD & Specs	Avail.	Price
<input type="checkbox"/>	<b>A-2-1.5</b> Optical Mount Adaptor, 50.8 mm to 38.1 mm (2 to 1.5 inch)		In Stock	€64 <div>1 </div>
<input type="checkbox"/>	<b>U200-A2K</b> Mirror Mount, ULTIMA®, Clear Edge, 2.0 in., 2 Locking Knobs		In Stock	€203 <div>1 </div>

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<input type="checkbox"/>	<b>LQA1550-05E</b> Laser Diode Module, 1550 nm, 5 mW, Analog, Elliptical Beam		Contact Us	<div>1 </div>
<input type="checkbox"/>	<b>LPM1310-05E</b> Laser Diode Module, 1310 nm, 5 mW, CW, Elliptical Beam		Contact Us	<div>1 </div>
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### Compatible

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<input type="checkbox"/>	<b>LPMS-5-220</b> Power Supply, 635-2330 nm Laser Diode Modules, 5 VDC, 220 VAC		Contact Us	<div>1 </div>