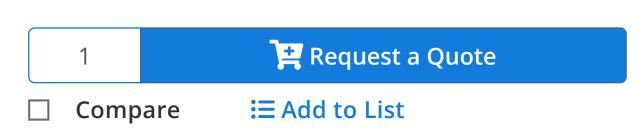


## Laser Diode Module, 1550 nm, 5 mW, CW, Elliptical beam

**MODEL: LQC1550-05E** 

**Contact Us** 



Overview

**Technical Specs** 

Resources & Downloads

#### 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**

Туре	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		
Output Power	5 mW				
Power Stability	<1% (8 hr.)		Fluorescence		
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			
- O	A-2-1.5 Optical Mount Adaptor, 50.8 mm to 38.1 mm (2 to 1.5 inch)		In Stock	€64	1	Cart	
	U200-A2K Mirror Mount, ULTIMA®, Clear Edge, 2.0 in., 2 Locking Knobs		In Stock	€203	1	<b>‡</b> Cart	
Similar							
? Compare	Description	Drawings, CAD & Specs	Avail.	Price			
	LQA1550-05E Laser Diode Module, 1550 nm, 5 mW, Analog, Elliptical Beam		Contact Us		1	<b>Quote</b>	
	LPM1310-05E Laser Diode Module, 1310 nm, 5 mW, CW, Elliptical Beam		Contact Us		1	<b>Quote</b>	
	LQD1550-05E Laser Diode Module, 1550 nm, 5 mW, Digital, Elliptical Beam		Contact Us		1	<b>Quote</b>	
Compatible							
? Compare	Description	Drawings, CAD & Specs	Avail.	Price			
	LPMS-5-110 Power Supply, 635-2330 nm Laser Diode Modules, 5 VDC, 110 VAC		Contact Us		1	<b>Quote</b>	
1000	LPMS-5-220 Power Supply, 635-2330 nm Laser Diode Modules, 5 VDC, 220 VAC		Contact Us		1	<b>Quote</b>	