

640nm 50mW Low Cost Turnkey Laser



Low Cost Turnkey Laser & Power Supply (Included)



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

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1

+

£2,528⁰⁰

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Volume Pricing	
Qty 1+	£2,528.00 each
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Product Downloads



General	
<10	Warm-Up Time (minutes):
Diode	Type of Laser:
IIIb	Laser Class - CDRH:

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, M²:		<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

