

A black cylindrical device, possibly a sensor or camera module, is shown. A green fiber optic cable is connected to its side, with the cable extending outwards. The device has a circular opening on its front face.

☐ - 1 ☒ + €1.480^{,00}

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! Prices shown are exclusive of VAT/local taxes

Note: This item requires accessories for use | [Learn More](#)

DANGER

LARGE BOTTLE OF
WIDE MOUTH 2500 GALLONS

SHOCK HAZARD
SAFETY DATA SHEET AT THE BOTTOM
PLEASE SEE YOUR MANUAL

General

Diode	Type of Laser:

IIIb Laser Class - CDRH:

Physical & Mechanical Properties					
Material Properties	Young's Modulus (E)	200 GPa			
	Poisson's Ratio (ν)	0.3			
	Tensile Strength (σ_t)	800 MPa			
	Yield Strength (σ_y)	600 MPa			
	Elongation at Break (%)	15%			
	Hardness (HV)	250			
	Density (ρ)	7850 kg/m³			
Mechanical Behavior	Cyclic Stress-Strain Curve				
	Stress Relaxation Test Results				
	Impact Resistance (Charpy)	10 J/cm²			
	Creep Rate (mm/mm·yr)	1e-05			
	Thermal Expansion Coefficient (α)	12e-6 /°C			
	Fatigue Life (Nf)	1e+07			
	Fracture Toughness (KIC)	50 MPa√m			

Length of Fiber (m):

Optical Properties	
0.12	Numerical Aperture NA:
Fiber-Coupled	Spatial Mode:
5	Fiber Diameter (µm):
830.00 ±15	Wavelength (nm):
NIR	Color:
Electrical	
50	Output Power (mW):
Hardware & Interface Connectivity	
5.0	Operating Voltage (V):
Power Supply: Power Supply Required and Sold Separately. USA: #73-818 Europe: #73-818 Japan: #13-640 Korea: #33-770 China: #73-818	
FC/PC	Connector:
Environmental & Durability Factors	
+15 to +30	Operating Temperature (°C):
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 233:

Product Details

- Single Mode Fiber with FC/PC Connector
- 1 to 100mW Output Power and 405 to 1550nm Wavelength Options
- Integrated Driver for Easy Operation

Pigtailed Laser Diode Modules feature an integrated 1m long, single mode fiber with an FC/PC connector. These laser diodes also feature an integrated driver for plug and play operation, only requiring a 5V external power supply ([#73-818](#)). Pigtailed Laser Diode Modules are available with VIS and NIR wavelengths ranging from 405 to 1550nm, with output powers ranging from 1 to 100mW. Their plug and play operation make these laser diodes ideal for a wide range of laboratory and OEM applications.