



New Product

15mm Modulatable Blue

New 15mm Modulatable Blue Laser Module

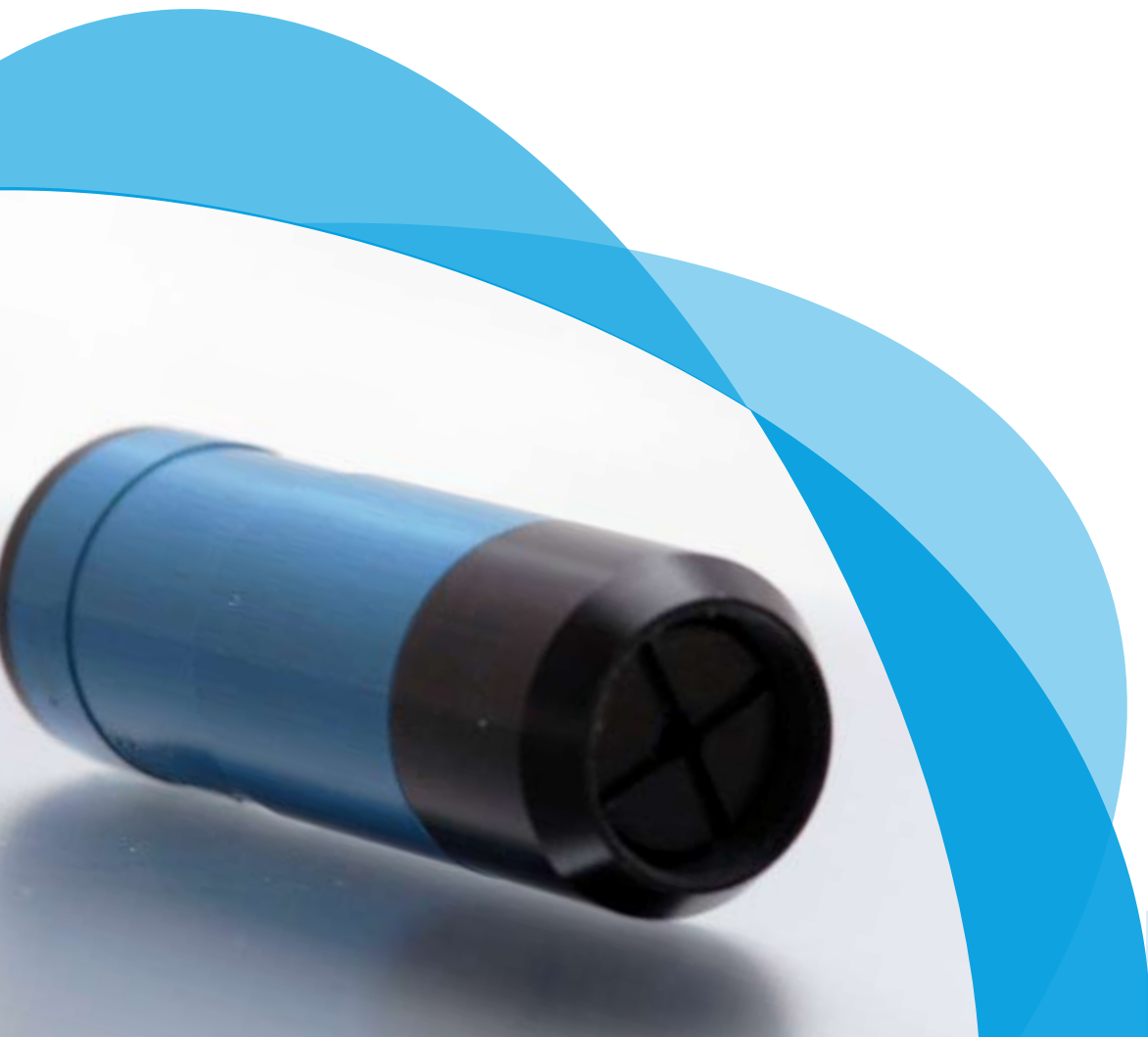
The new 15mm modulatable blue laser from Global Laser is a 405nm laser with powers from 1mW up to 80mW.

The laser provides reliable and stable operation over a wide operating temperature range.

Competitively priced the 15mm modulatable blue laser is ideal for a range of applications including Raman Spectroscopy, Biotechnology, Entertainment & Display Systems.

Features

- Blue 405nm
- Powers upto 80mW
- Linear Control (LC Model)
 - Linear Intensity Control
 - Analogue Modulation
- Pulse-Width Modulation (PWM Model)
 - Digital TTL on/off switching
- Wide Operating Temperature Range



Specifications.

	LC	PWM
Mechanical Information		
Mass (grams)	17	
Dimensions (mm)	15 by 47	
Housing	Anodised Aluminum	
Isolated Body	Yes	
Lead Length (mm)	250 (Other lead length available on request)	
Connector Type	4pin Binder	
Optical Information		
Diode Power (mW)	1 - 30	
Power Stability Over Temperature Range (Typical)	≤1% *	
Wavelength (nm)	405	
Beamsize at Aperture	*	
Beam Divergence	*	
Bore Sighting (mrad)	≤10 (Note 1)	
Environmental Information		
Operating Case Temperature (°C)	0 to +70	
Storage Temperature (°C)	-20 to + 85	
Operating Humidity (%RH)	90 non condensing	
MTTF @ 25°C (hrs)	TBC	
Electrical Specifications		
Input Voltage +ve (Vdc)	8	
Black Lead (Vdc)	0	
Yellow Lead	Modulation	
Blue Lead	Enable	
Operating Current (mA)	≤250	
Reverse -Polarity protection	Yes	
Frequency Range (Typical)	DC to 100KHz (Note 2)	DC to 100KHz
Control Voltage Range	0 - 1V (See chart)	N/A
Modulation Input Voltage	0 - 1V	<.4V = Off >2V = On
TTL Enable (Blue lead)	Low = Off High = On	Low = Off High = On
NOTES * = Varies with Laser Diode type Note 1: @ Factory set focus. Note 2: Measured with 90% modulation depth sine wave to -3dB. Specification are typical at 25 °C unless otherwise stated		

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Please note: Global Laser reserve the right to change descriptions and specifications without notice.