



New Product

15mm Modulatable Blue

New 15mm Modulatable Blue Laser Module

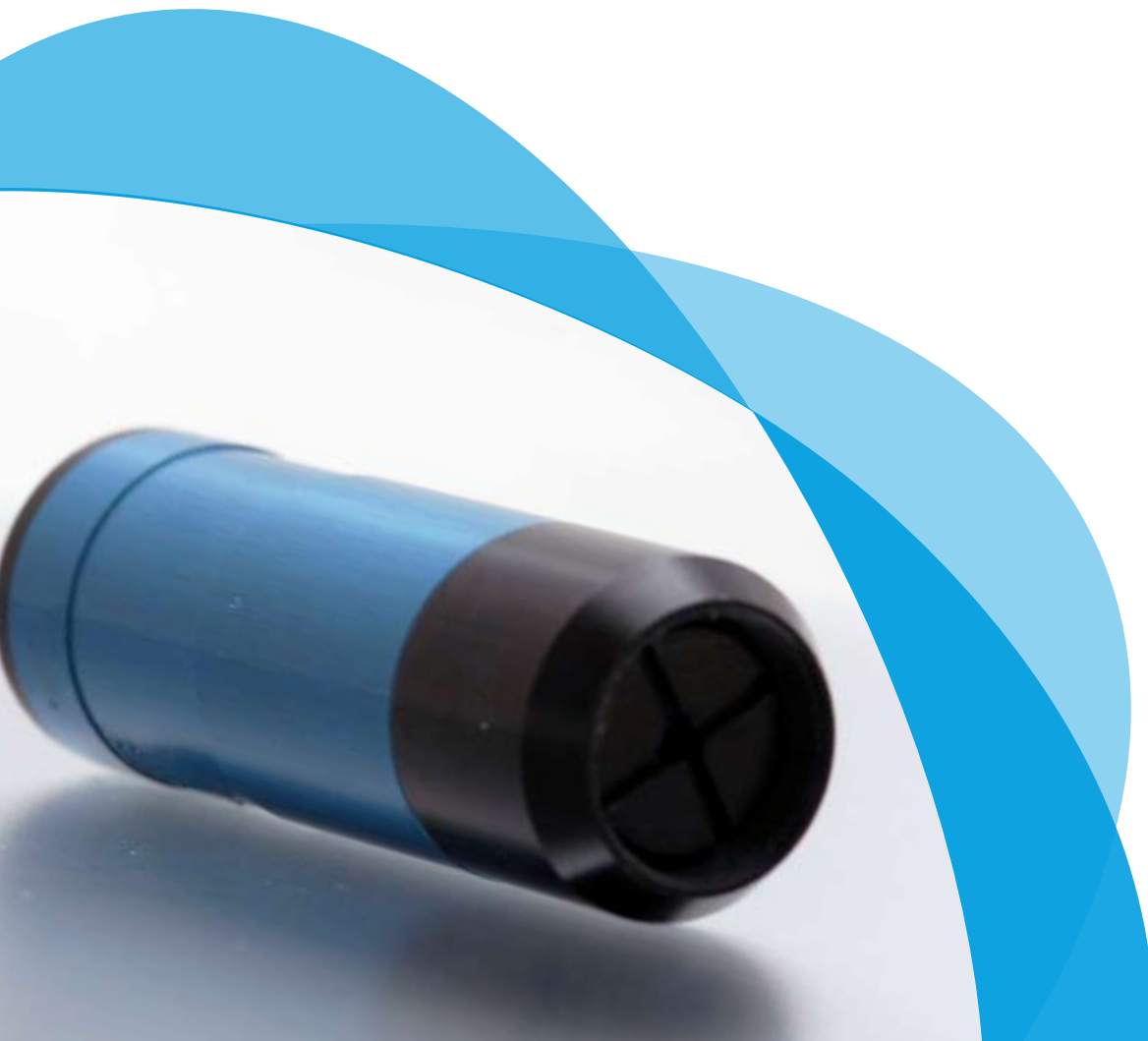
The new 15mm modulatable blue laser from Global Laser is a 405nm laser with powers from 1mW up to 80mW.

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 Temperatue 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.