



## Microblock

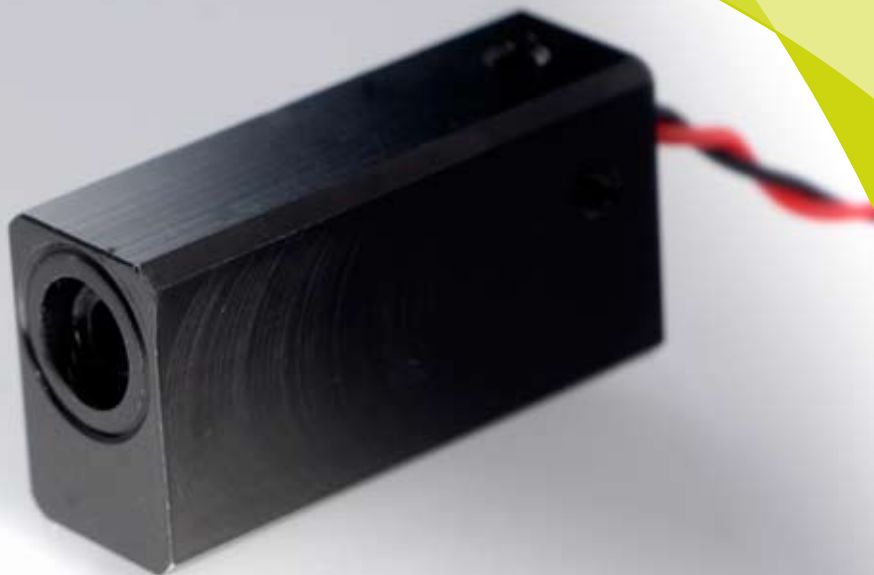
premier & acculase modulatable/machine vision lyte-mv/dragonfly green/  
imatronic/laserlyte/laserlyte-flex/guideline/hawkeye detector/  
firefly green/firefly green mini/thread mountable cameo/15mm blue/  
survelase/survelase maxi/beta tx/bluelyte/varilite lc/dca/**microblock**/  
accessories/projection lenses/energy efficient/customised solutions.

# Microblock.

Conventional lasers have small angular difference between the laser beam and the mechanical axis (boresight error). The Microblock allows this error to be manually adjusted to zero, by turning two small grub screws located on the side of the housing. It can also compensate for small mounting errors in the user adjustment.

Outputs are available in wavelengths of 650nm or the more visually intense 635nm where improved visibility is required. The output power of both models conforms to either Class 2 or Class 3R laser safety standards.

The self-contained assembly operates from battery or low voltage supplies, and requires minimal current. The housing contains the laser diode, driver, optics and boresight adjustment.



# Features.

- A compact user adjustable aiming laser
- Ideal in restricted spaces and for portable systems
- Low voltage DC operation
- Zero directional pointing error
- Rugged vibration resistant construction over wide temperature range
- User adjustable focus

# Specifications.

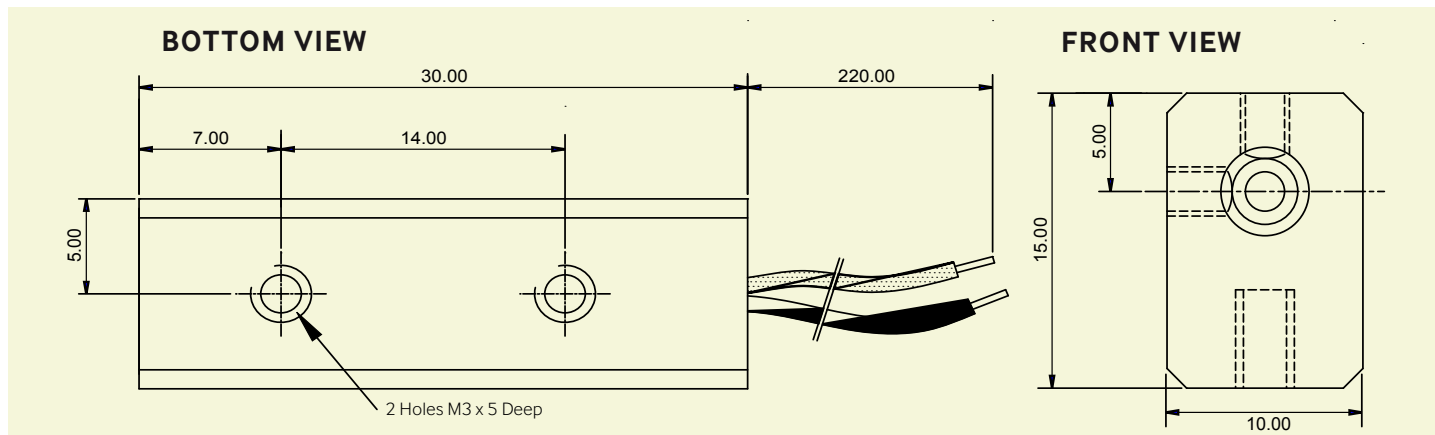
Mechanical Information		
Dimensions (LxWxH)	30 x 10 x 15 mm	
Housing	Black anodized aluminium	
Isolated Body	Yes	
Input Leads	2, Red (+Ve) Black (0 V)	
Lead Length (mm)	220 mm	
Optical Information		
Wavelength (nm)	Power's (mW)	Power's (mW)
635	1, 3	1, 3
650	1, 3	1, 3
Custom	Please call with your requirements	
Power Stability (typical)	±3% (10 to 45°)	
Operational Mode	CW	
Focus Range	50 mm to infinity	
Beam Size at Aperture	4 x 2 mm	
Beam Size at 50mm	< 70 µm (typical)	
Beam Divergence	0.5 mrad	
Beam Adjustment	± 2 degrees	
Environmental Information		
Operating Case Temperature (°C)	-10 to +45	
Storage Temperature (°C)	-40 to +80	
Operating Humidity (%RH)	90 (non condensing)	
MTTF @ 25°C (hrs)	>25,000*	
Electrical Specifications		
Input Voltage (+ve) Red	+3.3 Vdc to +5 Vdc	
Input Voltage (-ve) Black	0 V	
Operating Current	20 to 45 mA*	
NOTES * Varies with laser diode type All specifications are typical @ 25°C		

# Mounting.

The mounting holes (M9 x 0.9 thread) located on the bottom of the Microblock allows it to be securely fixed to a surface to provide sturdy mounting.

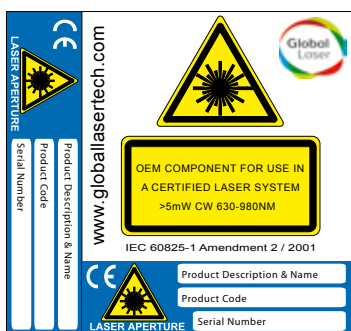
# Mechanical Dimensions.

## Microblock

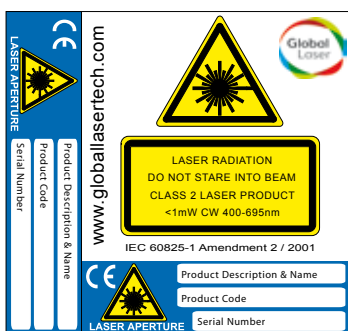


## Laser Safety

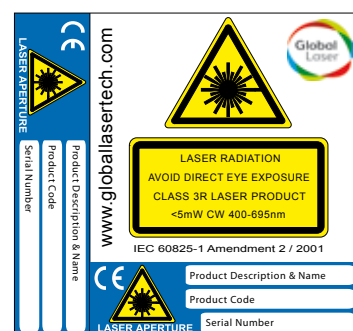
Our lasers are compliant to IEC 60825-1 standards. The lasers fall within one of the following classifications depending on power and wavelength.



OEM Laser Label



Class 2 Laser Label



Class 3R Laser Label

## Quality & Warranty

The Microblock range is supplied with a 12 month parts and labour warranty. Our manufacturing operations are certified to ISO9001.

Please note: Global Laser reserve the rights to change descriptions and specification without notice.



For further information about any of our products please contact your local distributor or you can contact Global Laser in the UK. Your Local Distributor Is:

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