

## High Power Temperature Stabilized Laser Diode Module ML2040



### Specifications (T = 25°C)

Wavelength (nm)	405 - 1060*
Output power (mW)	500 - 2000* (depends on the wavelength)
Operating mode	CW, Pulse*
Power stability (over 24 hours)	< ±0.5%
Power stability (over lifetime)	< ±3%
Operating voltage (V)	5 (3.3, 12 and 24 optional)
Maximum operating current (A)	< 4 (CW mode)
Reverse polarity protection	Yes
Housing electrical potential	Isolated housing
Protection marking	IP65 (IP67 optional)
Dimensions (mm)	110 x 40 x 20 (L x W x H)
Housing material	Black anodized aluminum, D16
Operating temperature (°C)	-10 - +40
<b>Beam shape - Round</b>	
Beam diameter at the aperture (mm)	< 8
Beam divergence (full angle) (mrad)	< 0.5
<b>Beam shape - Line</b>	
Fan angle	5°... 90°*
Line quality	Uniform, non-Gaussian line
<b>Beam shape - Diverse</b>	
Various beam shapes available	Diffraction and refractive optical elements

\* To be specified

## Order Information

**ML2040-XXXX-YYYY-ZZ**

Wavelength (nm) | Output power (mW) | Fan angle (line laser option only)

## Options

- Manual wavelength control
- Laser switch on/off: Direct or reverse by TTL signal
- Analogue modulation up to 100kHz
- Digital modulation up to 1MHz
- Output power adjustment by integrated potentiometer
- Extra heatsink

## Laser Head Drawing

