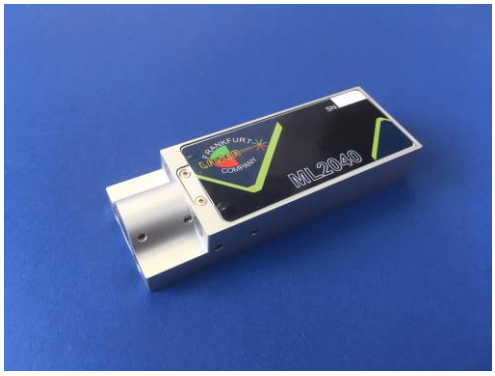
High Power Temperature Stabilized Laser Diode Module

RML2040



Specifications (T = 25°C)

Wavelength (nm)	635 - 1060*
Output power (mW)	200 - 1000* (depends on the wavelength and beam parameters)
Operating mode	CW, Pulse*
Power stability (over 24 hours)	< ±0.5%
Power stability (over lifetime)	< ±3%
Operating voltage (V)	3…5
Maximum power consumption (W)	< 5 (CW mode)
Reverse polarity protection	Yes
Housing electrical potential	Isolated housing
Protection marking	IP65
Dimensions (mm)	110 (119,5) x 40 x 20 (L x W x H)
Housing material	Black anodized aluminum, D16
Operating temperature (°C)	-10 - +40
Beam shape - Round	
Beam diameter at the aperture (mm)	< 8
Beam divergence (full angle) (mrad)	< 0.4
Beam width @ 100mm	< 100µ
Beam shape - Line	
Fan angle	5°… 90°*
Line quality	Uniform, non-Gaussian line
Beam shape - Diverse	
Various beam shapes available	Diffractive and refractive optical elements

* To be specified

phone: 636.272.7227 website: www.rpmclasers.com
address: 8495 Veterans Memorial Pkwy, O'Fallon MO 63366

Order Information

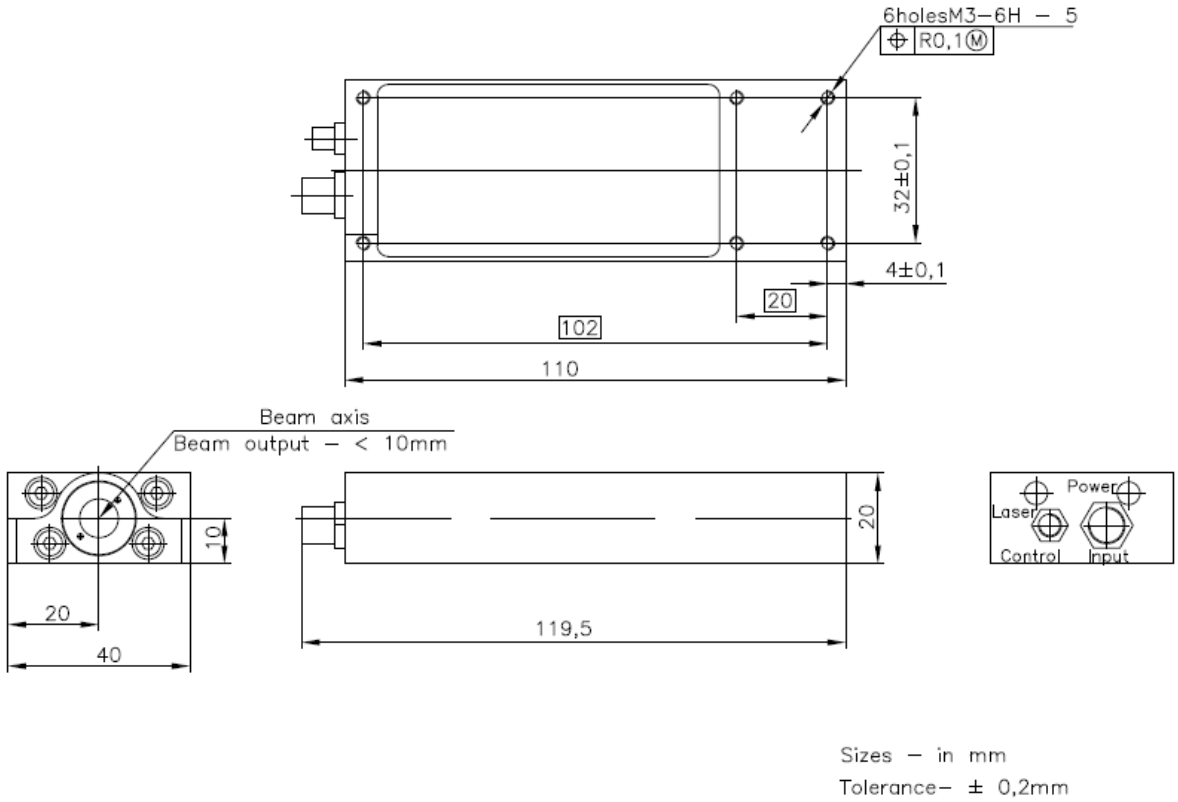
RML2040-XXXX-YYYY-ZZ

Wavelength (nm) | Output power (mW) | Fan angle (line laser option only) or other beam parameters

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



Sizes – in mm
Tolerance– ± 0,2mm

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