



# ROITHNER LASERTECHNIK

Wiedner Hauptstraße 76, A-1040 Vienna, Austria

Tel.: +43 1 586 52 43-0, Fax -44, office@roithner-laser.com



## RLTMBL-H-473 200-500 mW

### Blue Diode Pumped Solid State Laser

All solid state 473 nm blue laser featuring compact size, long lifetime, low cost, and easy operability, which is widely used for experiments, fluorescence sensors, Raman spectrum, laser printing, holography, laser display, submarine communication, biomedicine, laser lighting show, etc.



#### Specifications

Wavelength	473 ±1 nm
Output Power	200 - 500 mW
Transverse Mode	Near TEM <sub>00</sub>
Operating Mode	CW
Power Stability (rms, over 4 hours)	< 3%, < 5%, < 10%
Warm-up time	< 10 min
M <sup>2</sup> factor	< 2.0
Beam Divergence (full angle)	< 1.5 mrad
Beam Diameter (at the aperture)	~ 3.0 mm
Beam Height (from base plate)	29 mm
Polarization ratio	> 100:1
Pointing stability after warm up	< 0.05
<b>Noise of amplitude (rms, 1 - 20Mhz)</b>	~ 30%
Operating Temperature	10 - 35 °C
Power Supply (90-260VAC)	PSU-FDA (included)
Expected Lifetime	10000 hours
<b>Warranty period</b>	<b>1 year</b>

#### Options

PSU-LED (90-260VAC)	Power supply featuring adjustable output power and current display
PSU-OEM	DC power supply for system integration
TTL modulation	1-30 kHz
Analog modulation	1-30kHz, 0-5V
Fiber coupling	Multi mode/single mode fiber, SMA-905/FC connector





# ROITHNER LASERTECHNIK

Wiedner Hauptstraße 76, A-1040 Vienna, Austria

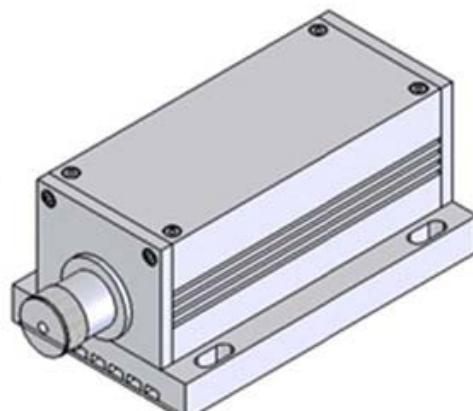
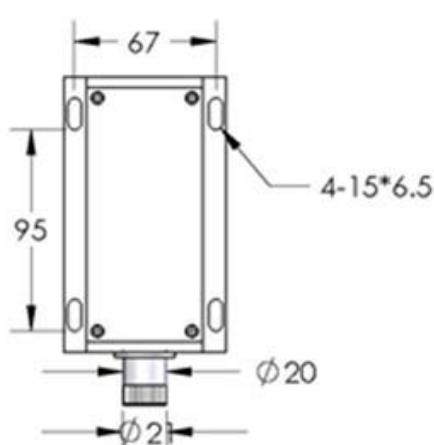
Tel.: ++43 1 586 52 43-0, Fax -44, office@roithner-laser.com



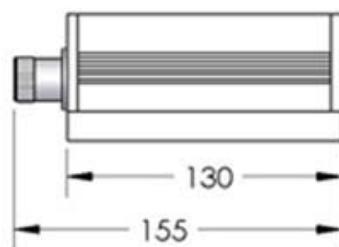
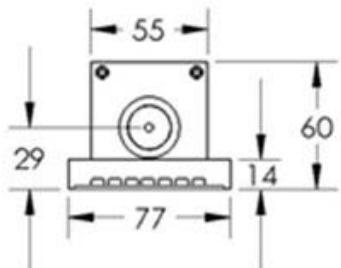
## RLTMLL laser head



155 x 77 x 60 mm<sup>3</sup>, 0.9 kg



All dimensions in mm





# ROITHNER LASERTECHNIK

Wiedner Hauptstraße 76, A-1040 Vienna, Austria

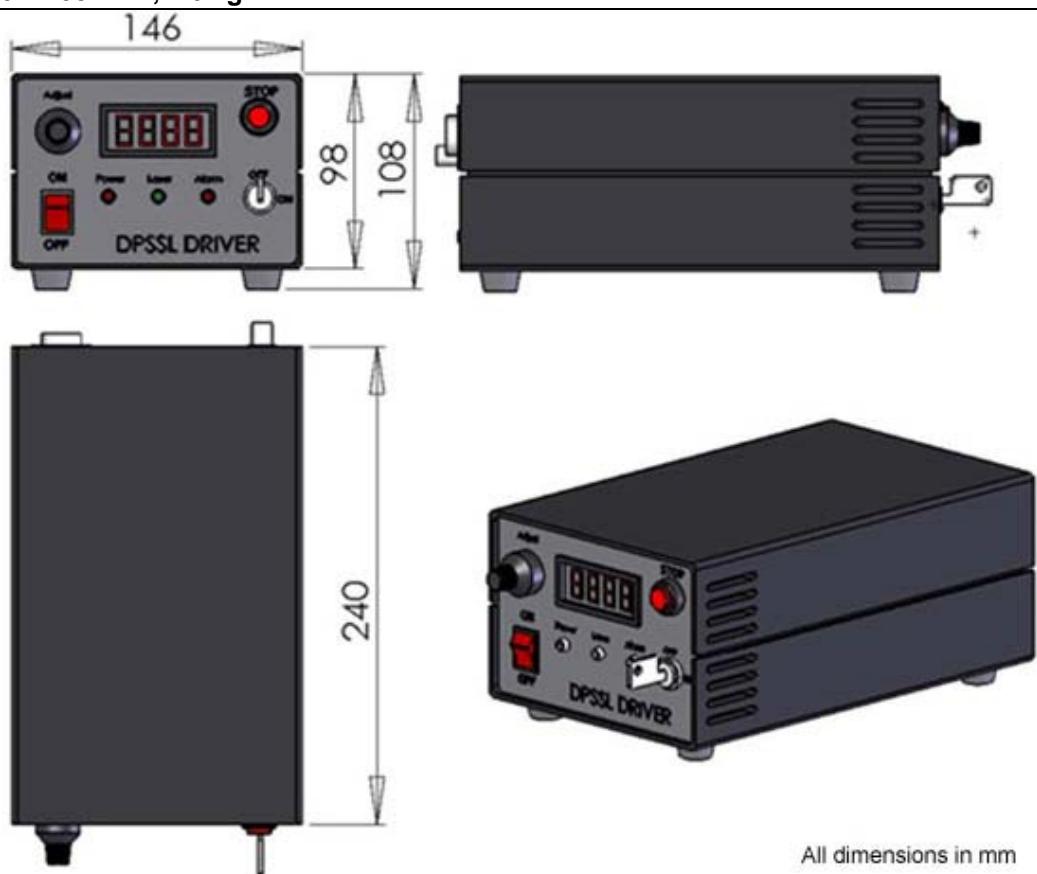
Tel.: ++43 1 586 52 43-0, Fax -44, office@roithner-laser.com



## PSU-LED power supply



240 x 146 x 108 mm<sup>3</sup>, 2.6 kg





# ROITHNER LASERTECHNIK

Wiedner Hauptstraße 76, A-1040 Vienna, Austria

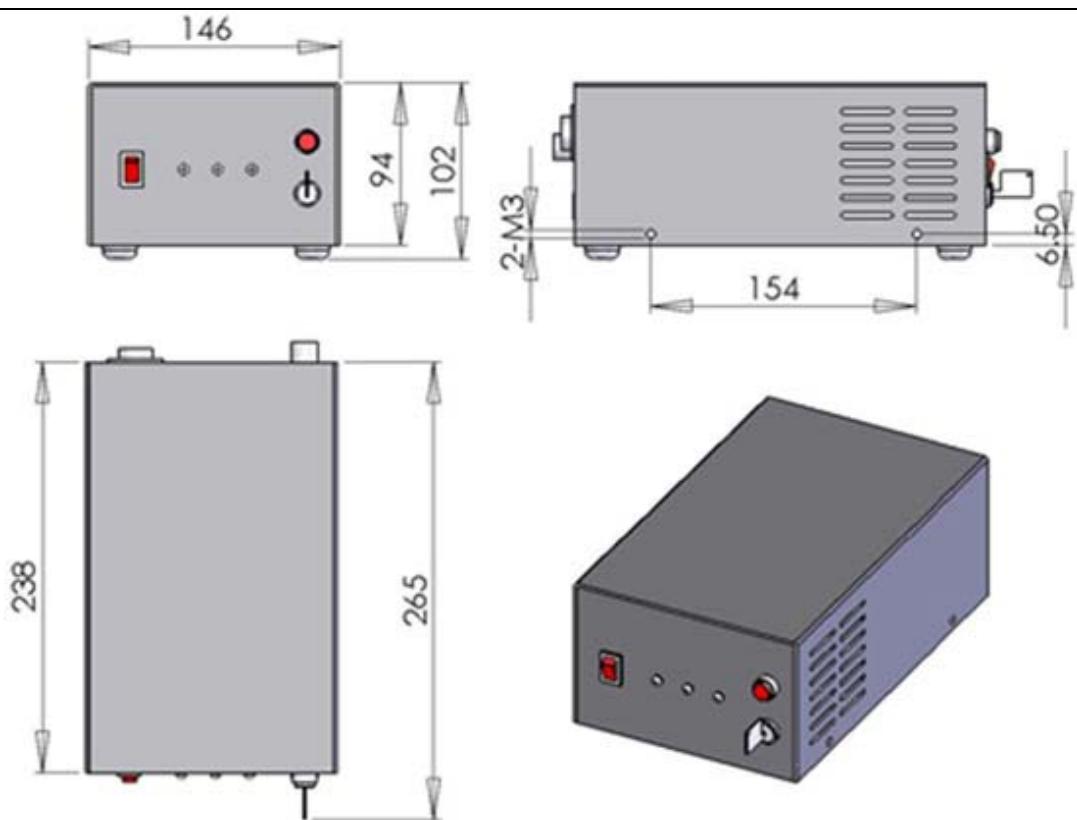
Tel.: ++43 1 586 52 43-0, Fax -44, office@roithner-laser.com



## PSU-FDA power supply



238 x 146 x 102 mm<sup>3</sup>, 2.3 kg





# ROITHNER LASERTECHNIK

Wiedner Hauptstraße 76, A-1040 Vienna, Austria

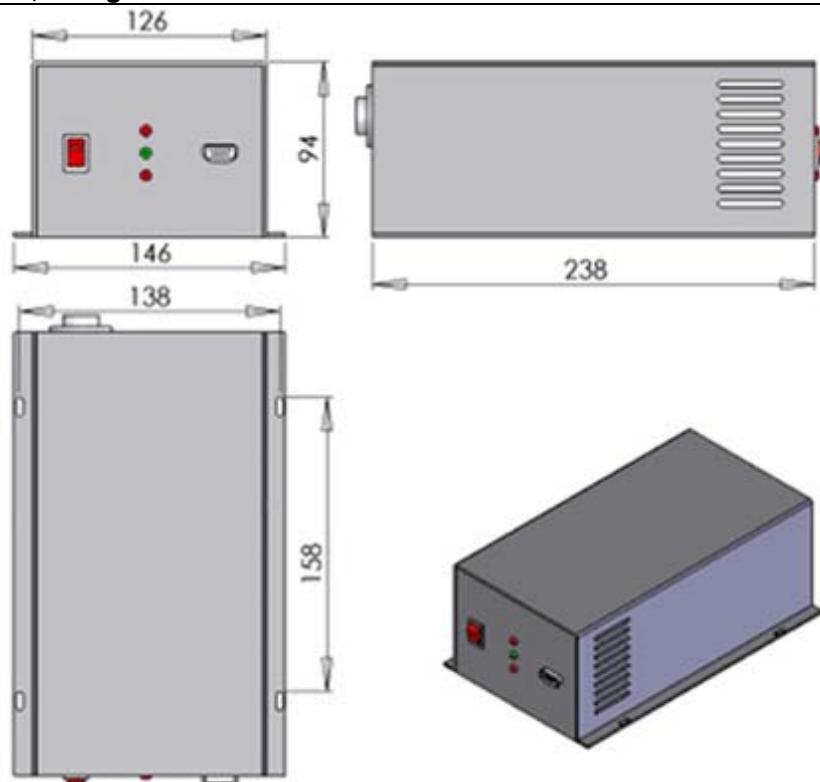
Tel.: ++43 1 586 52 43-0, Fax -44, office@roithner-laser.com



## PSU-OEM power supply



238 x 146 x 94 mm<sup>3</sup>, 2.2 kg



All dimensions in mm