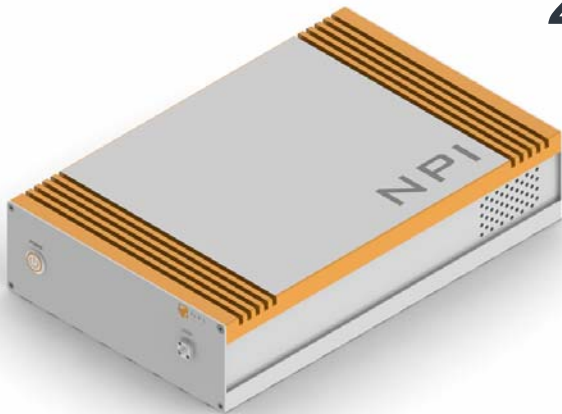


# ML-19xx-Osci

## 2 $\mu\text{m}$ Mode-locked Fiber Oscillator



NPI's 2  $\mu\text{m}$  mode-locked fiber oscillator **ML-1940-Osci** features high peak power with near diffraction limited beam. It is a highly stable laser source and can be used in applications ranging from spectroscopy, nonlinear optics, to industrial research and development. **ML-1940-O** can be used in conjunction with **AMP-Tm-2000** for higher output power.

NPI Lasers is an innovative manufacturer of versatile, reliable and cost-effective fiber laser modules operating in the mid-IR wavelength range. Our team shares a combined optical research/industrial experiences of more than 60 years and this ensures that we understand your specific application needs no matter it is in the field of niche photonics research, industrial sensing and detection, advanced bio-medical procedures, or next-generation laser material processing.

### FEATURES

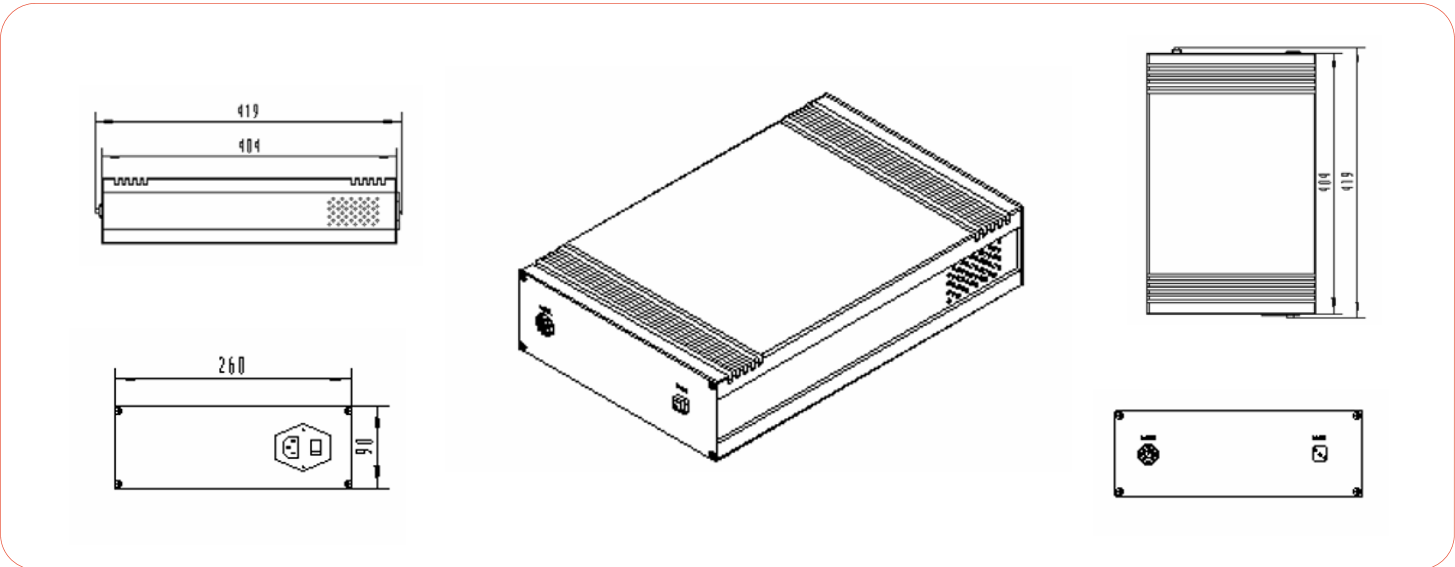
- Customizable operating wavelength
- fs/ps pulse width option
- High peak power
- Diffraction limited beam
- Turn-key system
- No maintenance required


### APPLICATIONS

- Mid-IR generation
- Nonlinear optics
- Mid-IR spectroscopy
- Amplifier seeding
- Silicon photonics

# SPECIFICATIONS

Parameter	Specification	Parameter	Specification
Operating wavelength	19xxnm	Operating temperature	0 to +40 °C
Pulse duration	1 ps (typical) femtosecond options available	Power requirement	AC 100-240 V (50 Hz/60 Hz)
Bandwidth	1-10 nm	Power consumption	<20 W
Average Output power	0-100 mW	Dimensions	419 mm x 260 mm x 90 mm
Repetition rate	20-40 MHz	Weight	6.0 kg
Output polarization	Random/ Linearly polarized	Output fiber type	SM2000 single mode fiber or Nufern PM1950 (for linearly polarized output), FC/PC or FC/APC connector





VISIBLE OR INVISIBLE RADIATION  
AVOID EYE OR SKIN EXPOSURE TO  
DIRECT OR SCATTERED RADIATION  
CLASS 3B LASER PRODUCT

**CAUTION:** THIS IS A CLASS 3B LASER PRODUCT AND ADJUSTMENT OTHER THAN THOSE SPECIFIED IN THE PRODUCT MANUAL MAY RESULT IN HAZARDOUS LASER RADIATION EXPOSURE

**ADDRESS**

Weston-super-Mare, ÒUG À ÒÒ, UK

**CONTACT NUMBER**

+44 (0)1934 750665

**EMAIL**

sales@dmoptics.co.uk