

TDFA-2000 -HP

High-power Thulium-doped Amplifier



FEATURES

- Wide wavelength range
- Low noise figure
- Diffraction limited beam
- Turn-key system
- No maintenance required

NPI's High-power Thulium doped fiber amplifier **TDFA-2000-HP** features high average output power and broad gain bandwidth. It has many advantages over traditional bulk solid state systems for its compactness, high stability, ease of use and low maintenance required. **TDFA-2000-HP** can be used together with **ML-2000-Osci** series to generate high average power, high intensity ultrafast pulses.

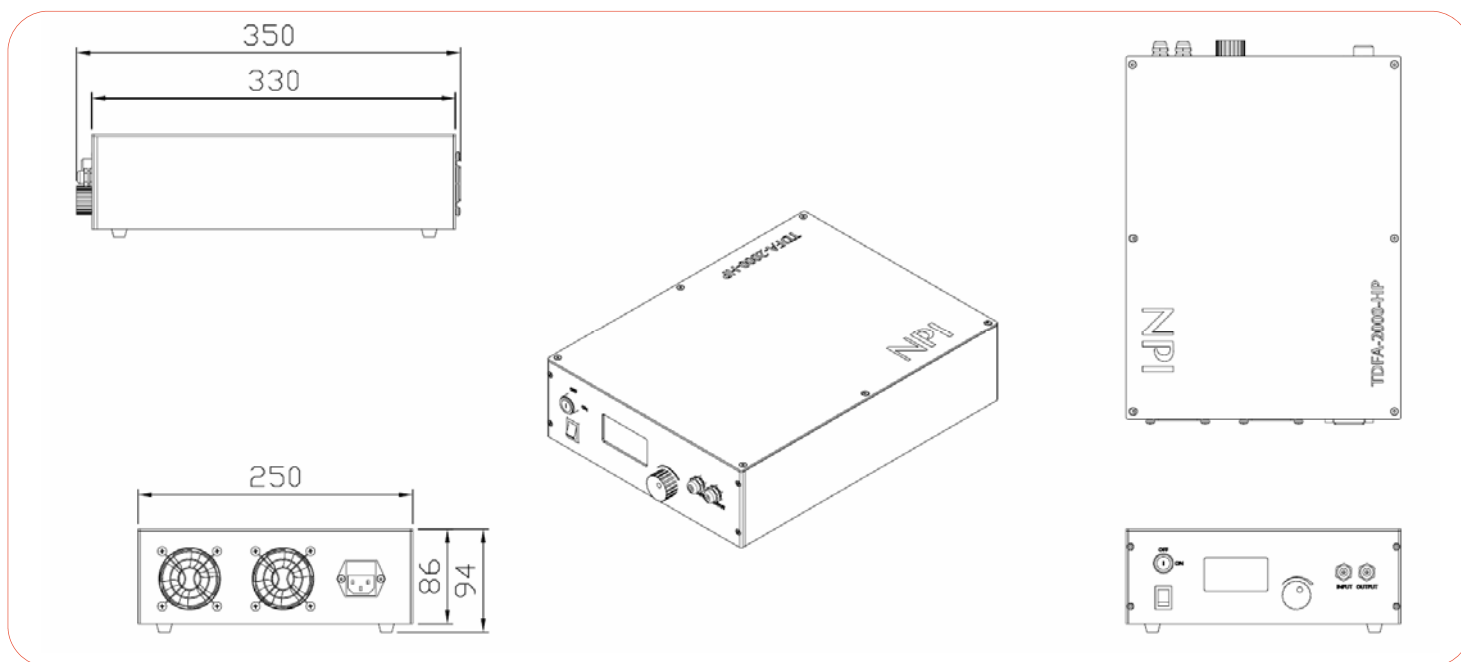
NPI Lasers is an innovative manufacturer of versatile, reliable and cost-effective fiber laser modules operating in the mid-IR wavelength range. Our team shares a combined optical research/industrial experiences of more than 60 years and this ensures that we understand your specific application needs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

APPLICATIONS

- LIDAR
- Silicon photonics
- Mid-IR generation
- Mid-IR spectroscopy
- Research & development

SPECIFICATIONS

Parameter	Specification	Parameter	Specification
Gain wavelength range	1900-2050 nm	Operating temperature	+10 to +40 °C
Small signal gain	>27 dB	Power requirement	AC 100-240 V (50 Hz/60 Hz)
Gain peak wavelength	1950 nm	Power consumption	<20 W
Saturation power	>3 W	Dimensions	350mm x 250mm x 94mm
Optical noise figure	<8 dB	Weight	4.8kg
Beam quality, M^2	<1.1	Connector/fiber type	SM2000 single mode fiber, 1m pigtail 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

Floor 4, Cui-Ping Science Park, 37 Jiangjun Avenue,
Jiangning District, Nanjing, 211100, China

CONTACT NUMBER

+86-(0)25-84989433

EMAIL

sales@npilasers.com



Your ideal partner for mid-IR lasers and photonics