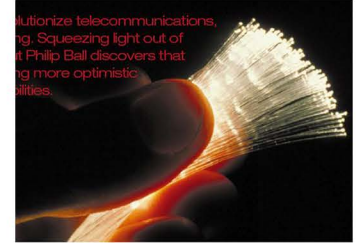
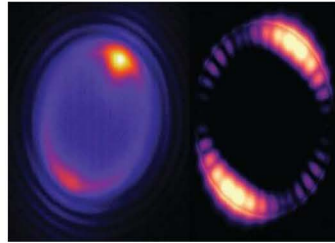


Thulium doped Fiber Amplifier - TDFA

TDFA is a benchtop Thulium-doped fiber amplifier. It incorporates high-end multi-mode pump diodes, WDM combiners, and high-gain Tm-doped fiber. The system has industrial-leading power-level and noise performance.

Our TDFAs feature a turn-key design. The operator panel has an alarm and status indicators, and integrates RS232 connector (or Ethernet interface) for PC remote control. There are customization options for single-frequency, all-polarization-maintaining and short-pulsed operation.



Key Features :

- Wide gain bandwidth
- High signal-to-noise ratio
- Excellent Power Stability
- High power output

Applications :

- Mid-IR frequency conversion
- Mid-IR spectroscopy analysis
- Silicon photonics
- Fiber communication system

» Main Specification:

Laser Parameters

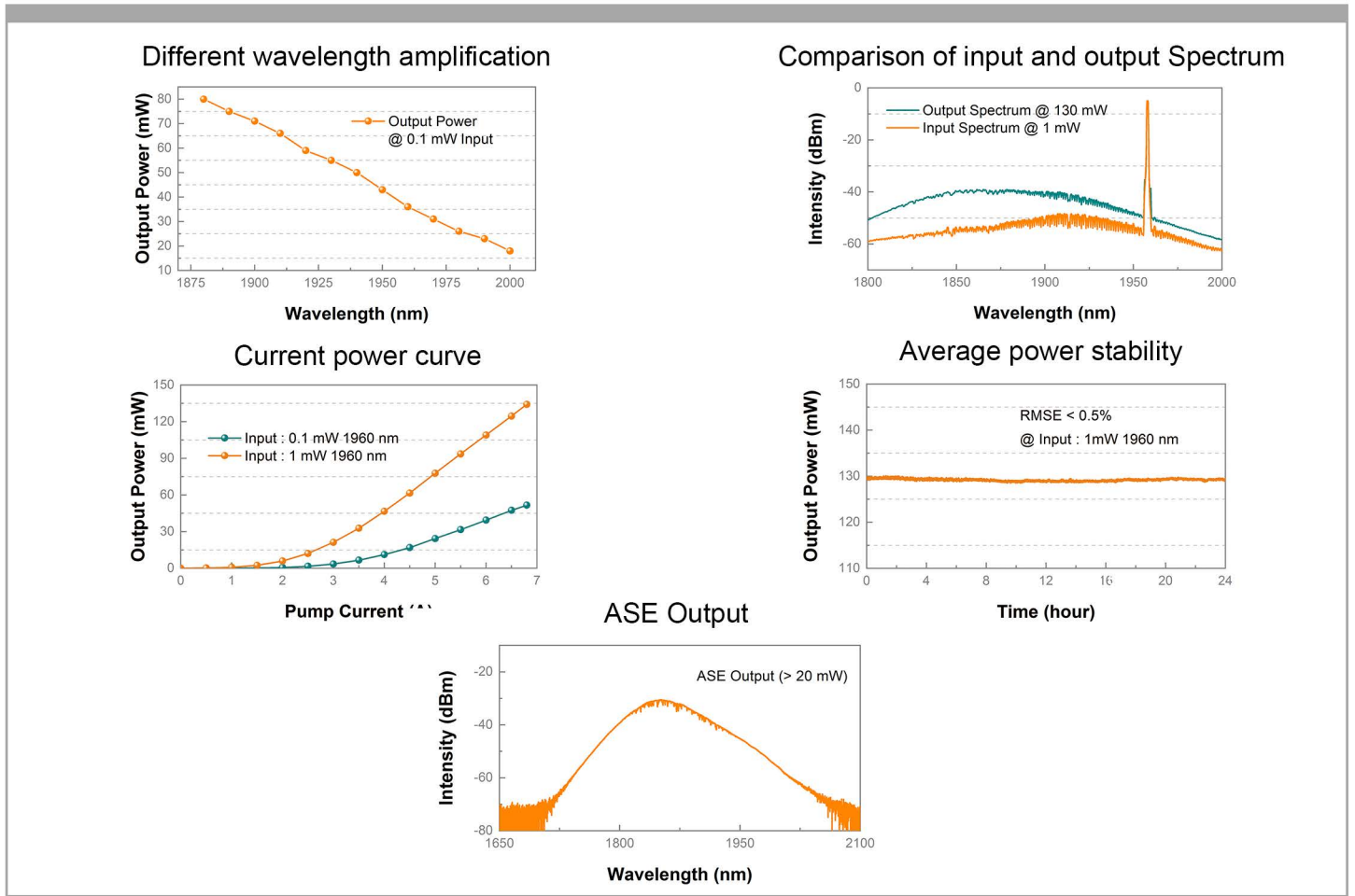
Operating Wavelength	nm	1800-2000
Gain Factor	dB	>20
Average Power	mW	>100
Average Power Stability	% RMS	<0.5 (12h@25°C)
Beam Quality		TEM00, M ² <1.1
Output Polarization		Random/Linear Polarization
Output Type		SMF28e/PM1950 Fiber,FC/APC Connector

Electrical, Environmental and Mechanical Parameters

Supply Voltage	VAC	100-240 (50Hz/60Hz)
Operational Temperature Range	°C	15~35
Operational Humidity Range	%	20~80 (Non-condensing)
Storage Temperature Range	°C	-20~+50
Storage Humidity Range	%	20~80 (Non-condensing)
Weight Laser Head	kg	36
Dimensions Laser Head	mm(L×W×H)	293×240×107
Cooling		Air-cooled

Gain at Different Wavelengths

Test Data :



Machine Drawing

