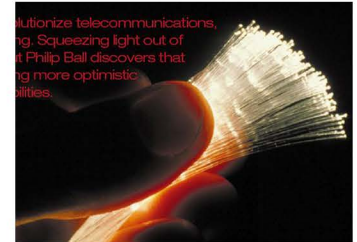
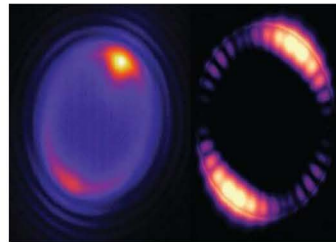


High-power Thulium doped Fiber Amplifier - TDFA HP

TDFA-HP is a high-power Tm-doped fiber amplifier, with a maximum customizable power up to 5W. It uses all-fiber amplification technology and features high output power, wide operating wavelength range and low noise. The amplifier wavelength and type is selectable to meet users' power amplification requirements within the wavelength range of 1880-2050nm. 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:

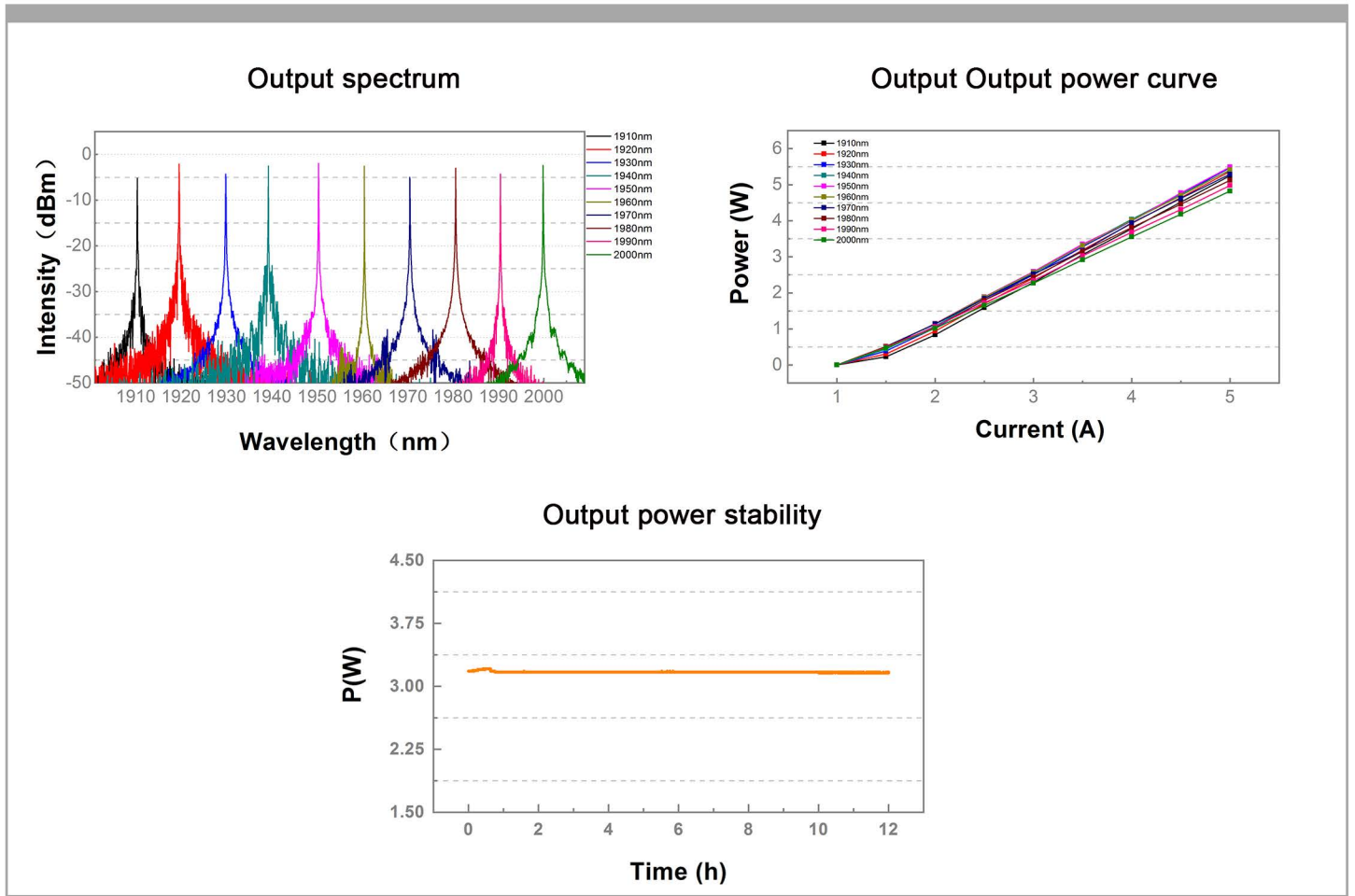
Laser Parameters

Operating Wavelength	nm	1900-2050
Input Power	mW	10
Average Power	W	1,3
Wavelength Tuning Accuracy	nm	1950
Signal-to-Noise Ratio	dB	<8
Beam Quality		TEM00, M ² <1.1
Output beam mode		Single mode
Output Type		SM-28e/2000 Single Mode Fiber, 1m Pigtail /FC/PC or FC/APC Connector

Electrical, Environmental and Mechanical Parameters

Power Consumption	Watt	<20
Supply Voltage	VAC	100-240 (50Hz/60Hz)
Operational Temperature Range	°C	15~35
Operational Humidity Range	%	20~80 (Non-condensing)
Storage Temperature Range	°C	0
Storage Humidity Range	%	20~80 (Non-condensing)
Weight Laser Head	kg	4.6
Dimensions Laser Head	mm(L×W×H)	336×284×113
Cooling		Air-cooled

Test Data :



Machine Drawing

