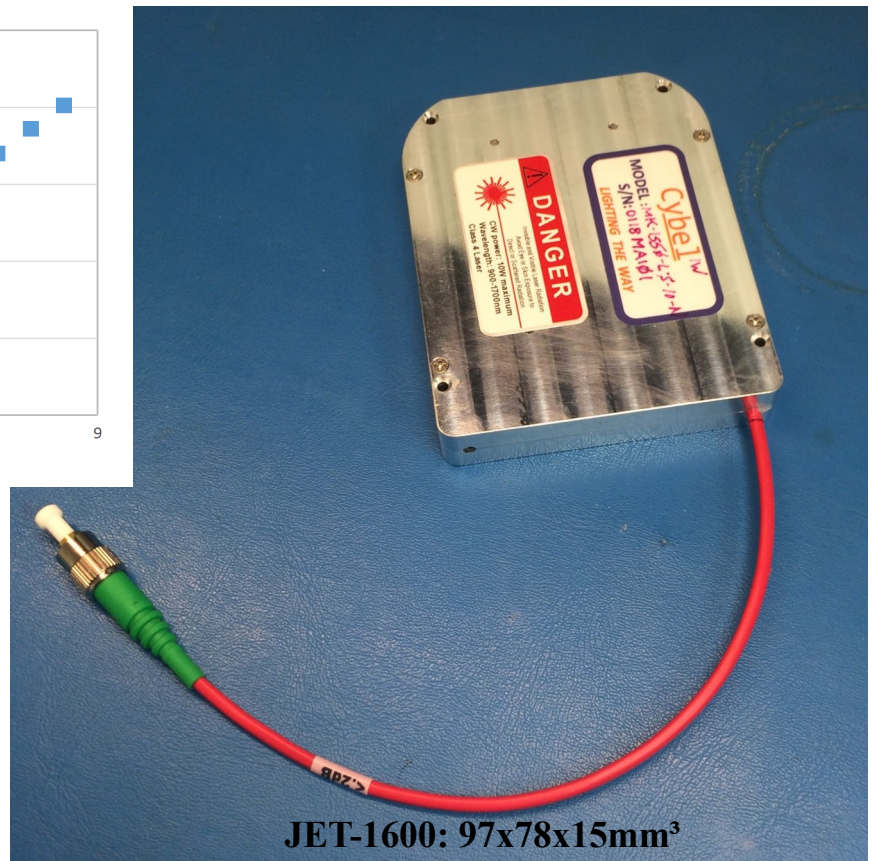
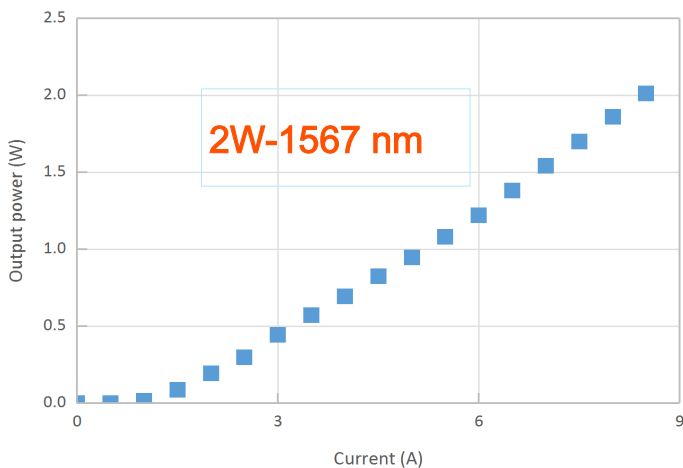


Key Features

- Output power 1W & 2W
- Single frequency operation
- Wavelength: 1540-1600nm
- Single mode, $M^2 \approx 1$
- Compact & rugged design
- Standard or All-PM version
- High Polarization Ext Ratio
- RS 232 interface
- Operation Temp: 10 to 40°C

The **CYBEL JET-1600** is a CW fiber laser source with an output power of either 1 or 2W and a center laser wavelength at 1567nm. The wavelength can be customized from 1540nm to 1600nm. This laser is ideal for pumping Thulium doped fiber amplifiers and lasers. The output power is continuously adjustable and exhibits less than 1% power change over 6 hours. The JET-1600 can also be used in applications ranging from sensing to research & development and spectroscopy.

The **JET-1600** comes in a light (150g) and ultra compact OEM package (97x78x15mm³) with either a standard or an all polarization maintaining fiber. L-Band output powers from 3 to 20W are available in the larger Skyline OEM module. Both the output power and key operating parameters are controlled from a RS 232 port.

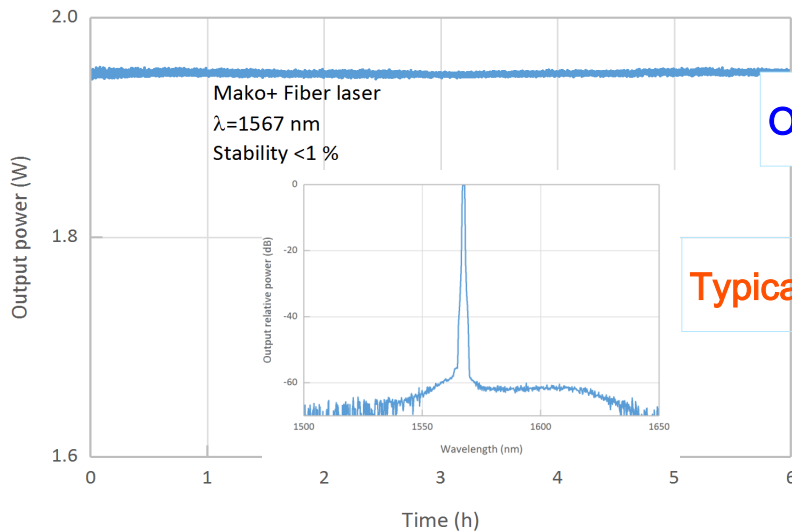


Applications

- Tm pumping
- Sensing
- Testing and Measurement
- Spectroscopy

JET-1600 Specifications

OPTICAL	Unit	Value	Comment
Wavelength	nm	1567	Custom 1540 to 1600nm
Output power	W	1 or 2	up tp 20W available in Skyline OEM
Spectral width	nm	0.3nm	Custom linewidth available
Polarization Ext. Ratio (PER)	dB	≥ 17	PM version
Beam quality (M ²)	M ²	<1.1	
Output isolator		Optional	
Output fiber length	m	1	Armored cable
Fiber	W	Single mode (SMF28)	FC/APC connector
Monitor fiber length	m	1	Armored cable
Power consumption	W	25	@Pout max=1W
Control interface		RS 232	
Dimensions/weight	mm/g	97x78x15/150	w/o heat sink
Operating temperature	°C	10-40	
Humidity	%	5 to 95	Non-condensing



Optical Power Stability < 1%

Typical Spectrum: $\lambda=1567$ nm-2W

CUSTOMIZATION

The **JET** is a laser platform that can be customized to match Customers' specific requirements. Please contact Cybel.

COMPLIANCE with Regulatory Requirements: These OEM products are Class 4 lasers as designated by the Center for Device and Radiology Health (CDRH). As such they are intended only in integration into other equipment and do not comply with CDRH requirement. It is the customer responsibility for CDRH certification of the full system that incorporates this industrial laser.



1195 Pennsylvania Ave
 Bethlehem, PA 18018
 Phone: 610-691-7012

Sales: contact@cybel-llc.com

Website: www.cybel-llc.com