

Key Features

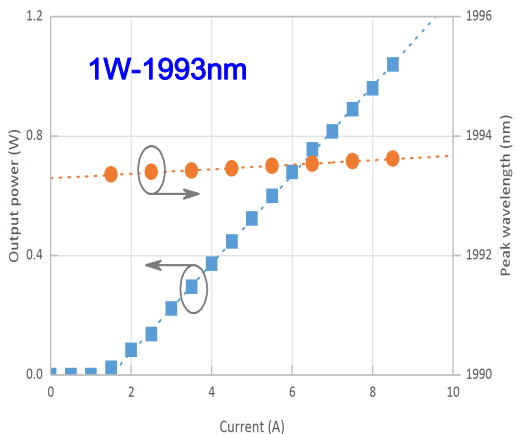
- Output power 1W
- Single frequency operation
- Wavelength: 1900-2020nm
- Single mode, $M^2 \approx 1$
- Compact & rugged design
- Standard or All-PM version
- High Polarization Ext Ratio
- RS 232 interface
- Operation Temp: 10 -40°C

The **CYBEL PRISM-2000** is a CW fiber laser source with an output power of 1W with a center laser wavelength at 2000nm. The wavelength can be customized from 1900nm to 2020nm. This laser is ideal for pumping Holmium doped fiber amplifiers and lasers. The output power is continuously adjustable and exhibits less than 3% power change over 6 hours. The **PRISM-2000** can also be used in applications ranging from sensing to R&D and spectroscopy.

The **PRISM-2000** comes in a light (150g) and ultra compact OEM package (97x78x15mm³) with either a standard or an all polarization maintaining fiber. Output powers from 2 to 20W are available in the larger Skyline OEM Module. Both the output power and key operating parameters are controlled from an RS 232 port.

Applications

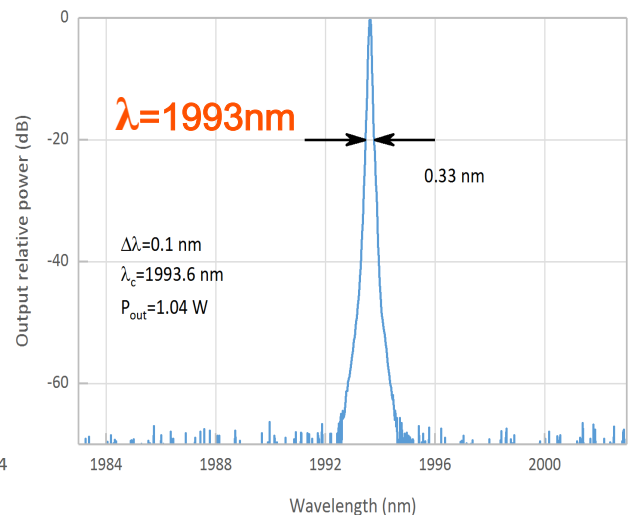
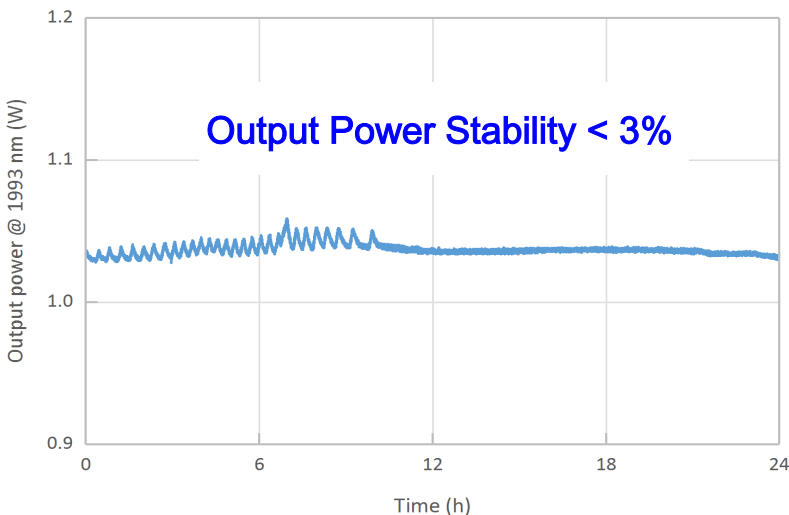
- Holmium Pumping
- Sensing
- Testing and Measurement
- Spectroscopy



PRISM-2000: 97x78x15mm³

PRISM-2000 Specifications

OPTICAL	Unit	Value	Comment
Wavelength	nm	2000	Custom λ from 1900 to 2020nm
Output power	W	1	Pout from 2 to 20W available
Spectral width	nm	0.3nm	Custom linewidth available
Polarization ext. ratio	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	FC/APC connector
Monitor fiber length	m	1	Armored cable
Power consumption (voltage)	W (V)	30 (12&2)	@Pout max=1W
Control interface		RS 232	
Dimensions/weight	mm/g	97x78x15/150	w/o heat sink
Operating temperature	$^{\circ}\text{C}$	10-40	
Humidity	%	0 to 95	Non-condensing



CUSTOMIZATION

The PRISM 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.



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