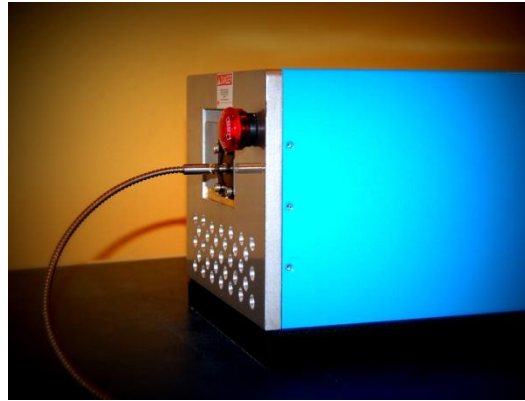


D-Light-795



Tunalbe Ultra-narrow Linewidth High Power Diode Laser

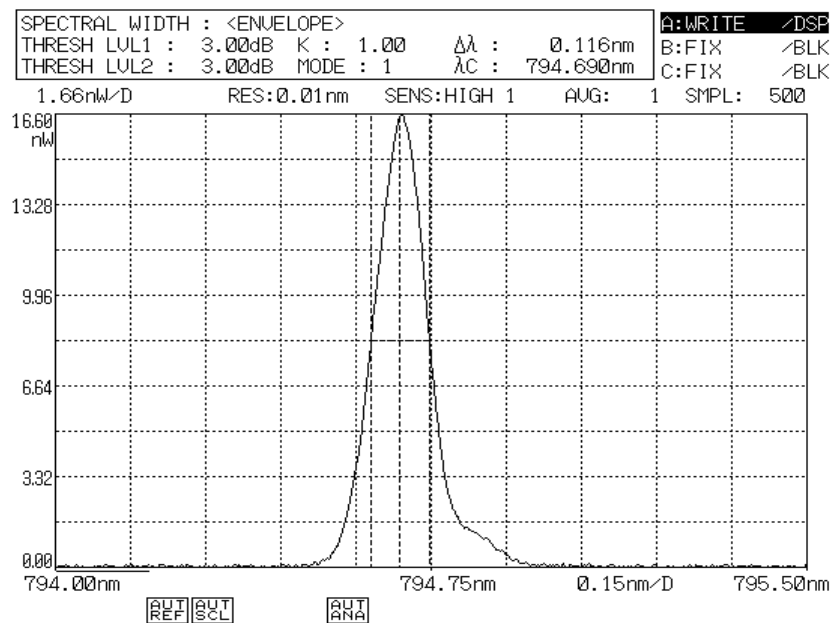
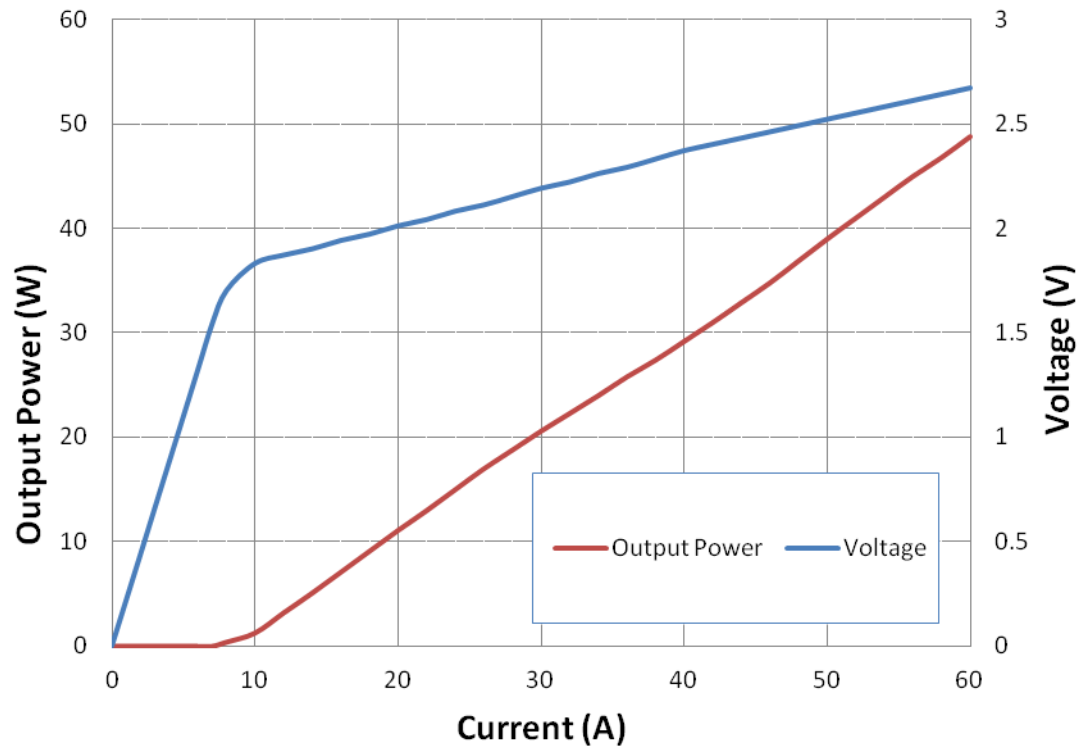
With Raytum's proprietary patent pending technology, *D-light-795* provide turn-key, fiber-coupled high power diode laser around 795 nm* with both ultra-narrow linewidth and wide tuning range.

- 50 W CW laser is delivered out of 800 μm fiber. The FWHM spectra linewidth is < 0.2 nm. The wavelength tuning range is > 0.8 nm. Central wavelength is stabilized and insensitive to operational temperature and environment.
- The long term power stability is rms $< 0.5\%$ over 24 hrs, and short term stability is rms $< 0.1\%$ over 1 hr.
- Lifetime of diode laser module is more than 10,000 hours.
- Water-cooled and air-cooled models available.

The *D-light* series is designed and manufactured to meet custom high-performance and high-reliability requirements for scientific research, DPSS and fiber laser pumping, material processing, medical, and Defense market segments.

* Other wavelength from 780 to 1550 nm are also available.

TYPICAL PERFORMANCE



OPTICAL		
Wavelength	nm	794.7
Linewidth	nm	< 0.2
Wavelength Tuning	nm	> 0.8
CW Output Power	W	30-50
Fiber Diameter	μm	800 (Typical)
ELECTRICAL		
Operating Current	A	60
Operating Voltage	V	2
MECHANICAL		
Laser head Size	inch	12 X 8 X 8
Storage Temperature	°C	-20 to 50
Operating Temperature	°C	15 to 35
Operating Humidity		20% to 80%

Note:

1. This is a turn-key system including current/TEC driver. A stand-alone laser head can be sold separately.
2. A non-condensing environment is required for storage and operation.
3. Raytum Photonics continually improves its products to provide our customers with outstanding quality and reliability. We may make changes to specifications and product descriptions at any time, without notice.

