WaveSource Photonics, Inc.

Turnkey Fiber Coupled Laser Sources

For Fiber Sensing, Biomedical Imaging, and Testing Applications

The fiber coupled laser source series Y10L and E15L cover wide ranges of laser parameters: wavelengths, linewidths, output powers, continuous wave or pulsed, and PM fiber coupled or non-PM fiber coupled.

The Y10L and E15L can deliver 1 - 30mW of output power at the near infrared wavelength regions. With a typical >27dB polarization extinction ratio, the PM fiber version of Y10L and E15L satisfy the highest demands for precision component testing in fiber laser, fiber communication, and fiber sensing markets.

The driver used on the Y10L and E15L fiber lasers has a proprietary design that makes the laser perform well beyond the industry standard. Key features of our fiber laser modules are low Intensity noise and exceptional wavelength stability. This rare-earth fiber design allows for a higher degree of power and wavelength stability than conventional DFB and DBR, or FP lasers

Features:

- Single-mode fiber output
- Wide wavelength selection
- Power and spectrum stabilization
- PM Fiber version
- Build in isolator
- Build-in power adjustment and power monitoring
- Customer wavelength available
- Excellent short- & long-term stabilities

Applications:

- Optical component testing
- Optical fiber sensing
- Biomedical imaging

Performance:

Specification	Y10L series	E15L series
Standard wavelength [nm]	1030, 1064	1550
Other wavelength [nm]	1000 -- 1100	1530 -1565
PM	yes	yes
Polarization Mode	Linear, along slow-axis	Linear, along slow-axis
Polarization Extinction Ratio [dB]	> 27	>27
Output Coupling	SM98-PM fiber	SM15-PM fiber
Fiber-Coupled Output Power [mW]	5, 10, 20, 30	5, 10, 20, 30
Power Adjustment	front panel 10-tern knob	front panel 10-tern knob
Output Power Calibration	yes	
Operating Temperature	0 °C to 45 °C	
Dimension [cm]	20 x 12x 4 (LxWxH)	

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