

WHEN PERFORMANCE MATTERS

BLUE SKY RESEARCH

The PMLS II, Polarized Multi-Laser Source is the first all fiber technology for combining multiple lasers and simultaneously maintaining polarization. Designed for Life Science Instrumentation where precision, stability and reliability are of critical importance; the PMLS II provides a highly stable laser-based illumination source which never needs alignment. Laser wavelengths available include; Violet, Blue, Green, Red, and IR (405nm to 980nm).

Preliminary

PMLS II

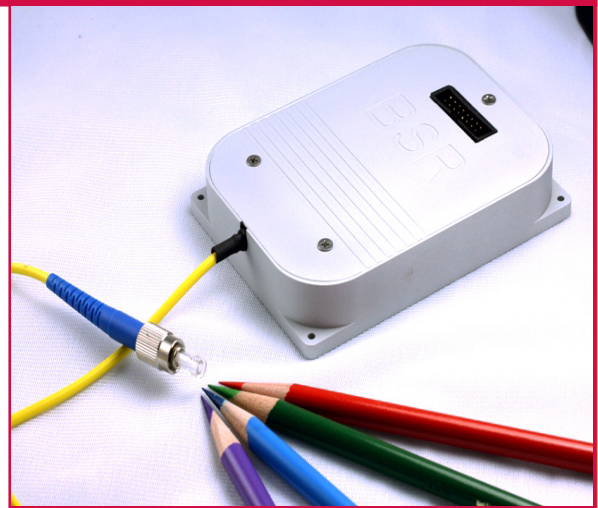
Polarized Multi-Laser Source

Polarized Multi-Channel Laser Source

Miniature OEM footprint- 80 x110 x18 mm

PMLS II FEATURES

- 2% P_{out} Stability with fiber output
- Miniature size - 80 x 110 x 18 mm
- Polarization 100:1 PER across all wavelengths
- Configurable optics for easy OEM integration



PMLS II PERFORMANCE SPECIFICATIONS

Parameters	Specification	Units	Conditions
Wavelength	405 - 980*	nm	* many wavelengths available
PER	20*	dB	typical, * 100:1 PER
Beam Size	0.8 - 1.9	mm	at collimator exit
Power Stability	0.5, 2.0	%	1Hr, 24Hr
RMS Noise	0.5	%	20kHz to 2MHz
Number of Channels	2, (3, 4, 5)*		* Available spring 2011
Modulation	10 or 100	kHz	Analog, in ACC mode

About Blue Sky Research

We engineer and manufacture semiconductor laser modules and systems in standard and custom configurations. Our goal is to deliver uncompromising performance at the best possible value.

For more information:
• Blueskyresearch.com
• 408-941-6068

