



Product Brief

FEATURES

- Two to Eight Independently Controllable Optical Channels
- USB Interface and Software GUI for Laser Parameter Configuration and Monitoring
- Rack-Mountable

OVERVIEW

Incorporating our monolithic Indium Phosphide O-Band and/or C-band tunable lasers and complementary drive electronics, the FPTOS series of multichannel tunable optical sources provide from two to eight channels of CW optical output in a convenient bench-top or rack mountable instrument. The front panel allows for enabling/disabling each laser individually and the provided GUI can be used to adjust the lasers' parameters and store the configuration to the internal non-volatile memory. Laser section voltages, TEC currents, laser operating temperatures, and butterfly base temperatures can all be read back via the USB interface and the GUI. Emitted wavelengths can be factory calibrated to meet exact customer specifications.

SPECIFICATIONS

Parameter	min	typ	max	unit
Number of Outputs	2	4	8	
Output Power (each output)	10	13		dBm
Center Wavelengths Available		1280 1310 1340 1550		nm
Wavelength Tuning Range	30	35		nm
Sidemode Suppression Ratio	35	40		dB
Linewidth		5	20	MHz
Relative Intensity Noise		-140	-135	dB/Hz
Operating Temperature	20		40	°C
Fiber Connection	Single-mode Polarization Maintaining, APC Connector			
Communications Interface	USB			

