

FEATURES:

- Up to 60nm tuning range*
- PD monitors
- PM fiber pigtails
- FC/APC terminated pigtails on request

* When used as an active element of an external cavity semiconductor laser.

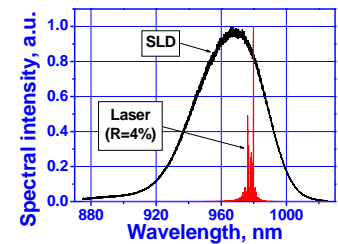
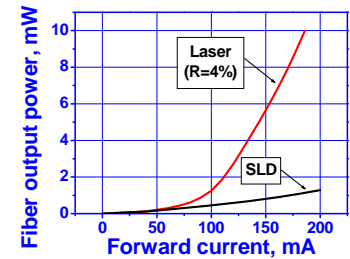
PACKAGES: cooled DIL, DBUT

Specifications
(Nominal Emitter Stabilization Temperature +25 °C)

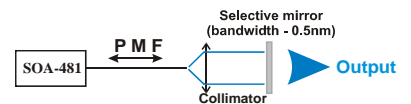
Mode	Parameter	Min.	Typ.	Max.
SLD-mode (angled fiber cleave)	Output power ex SM fiber at maximum forward current, mW		1.0	
	Forward current, mA		200	260
	Peak Wavelength, nm		970	
	Spectral width, nm	45	50	
	Residual spectral modulation, %		3.0	6.0
Laser-mode (normal fiber cleave)	Threshold current, mA		100	150
	External slope efficiency, mW/mA	0.05	0.1	
	Output power in SM fiber, mW			10.0**
	Forward voltage, V		1.8	2.0
	Operating temperature (case temperature), °C	-55		+70
	Cooler current, A			1.2
	Cooler voltage, V			3.5

** Exceeding this value in any external cavity may result in device damage.

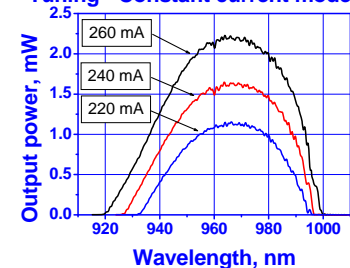
PERFORMANCE EXAMPLES



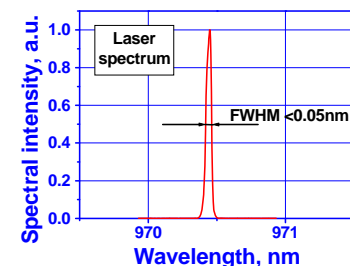
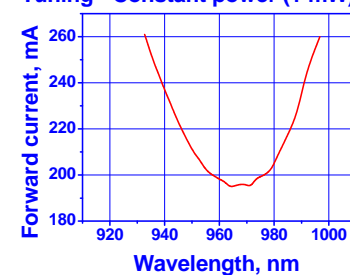
EXAMPLE OF USAGE IN TUNABLE LASER



Tuning - Constant current mode



Tuning - Constant power (1 mW)



The following part numbers should be used when **ordering**:

SOA-481-(a)-(b)-(c),
where:

- (a) – package type,
- (b) – fiber type (SM or PM),
- (c) – PD (if PD monitor is required).

Example: SOA-481-DBUT-SM-PD.

All specifications are subject to change without notice.

A lot of customized solutions are available — contact us with your detailed requirements!