

FEATURES:

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

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

PACKAGES: DIL, DBUT

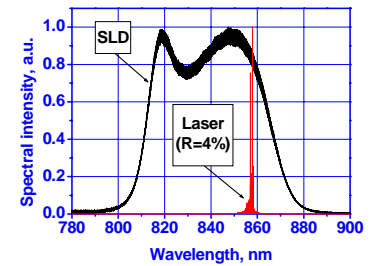
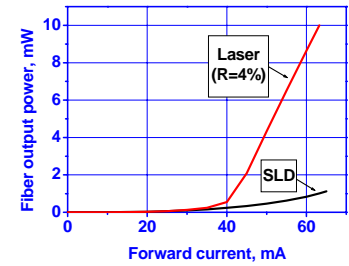
Specifications

(Nominal Emitter Stabilization Temperature +25 °C)

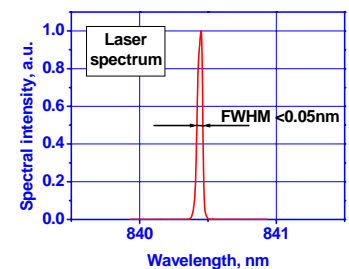
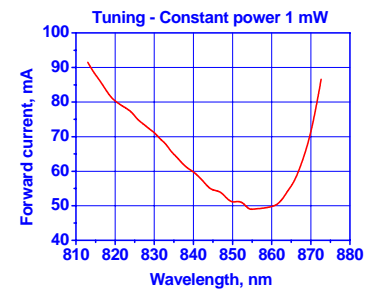
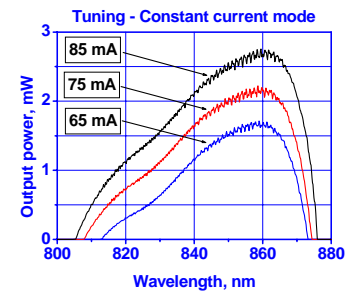
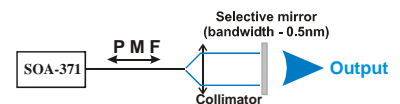
Mode	Parameter	Min.	Typ.	Max.
SLD-mode (angled fiber cleave)	Output power ex SM fiber at maximum spectral width, mW		1.0	
	Forward current, mA		65	90
	Peak Wavelength, nm		840	
	Spectral width, nm	45	50	
	Residual spectral modulation, %		3.0	6.0
Laser-mode (normal fiber cleave)	Threshold current, mA		40	50
	External slope efficiency, mW/mA	0.25	0.4	
	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



Following marking should be used for **ORDERING**:

SOA-371-(a)-(b)-(c),
where:

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

Example: SOA-371-DBUT-SM-PD.

All specifications are subject to change without notice.

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