

**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.

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

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

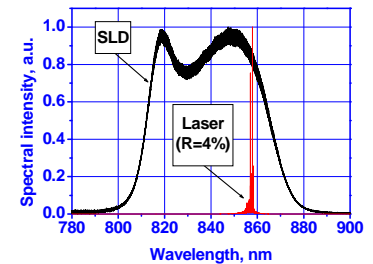
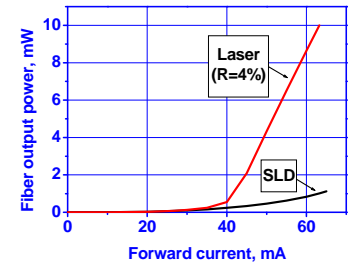
where:

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

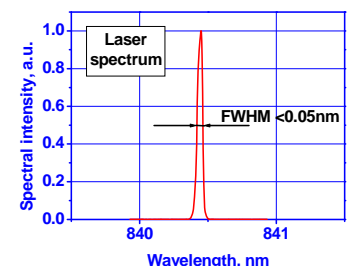
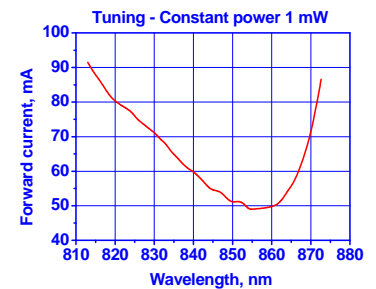
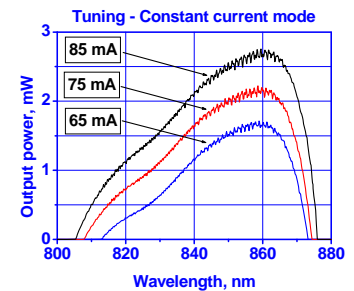
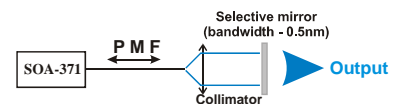
Example: SOA-371-DBUT-SM-PD.

All specifications are subject to change without notice.

**PERFORMANCE EXAMPLES**



**EXAMPLE OF USAGE IN TUNABLE LASER**



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