

**Features:**

- very broad spectrum, 70 nm FWHM
- flat spectrum with very small Fabry-Perot modulation depth
- maximum -20 dB secondary coherence subpeaks

**Applications:**

- **fiberoptic gyros**
- **optical sensing**
- **optical coherence tomography**
- **optical measurements**

**Packages:** DIL, BUT; others on request

**Additional & customized:**

- PD-monitors
- PM fiber pigtails, polarized or Lyot-depolarized output
- FC/APC terminated pigtails

**Specifications**

**(Nominal Emitter Stabilization Temperature +20°C)**

Parameter	Min	Typ	Max
Output power ex SM fiber, emitter @ +20 °C	0.75	1.0	-
SLD direct current, mA	-	-	250
Forward voltage, V	-	-	2.2
Peak wavelength, nm	1250	1280	1330
Spectrum width, nm	60	70	-
Residual spectral modulation depth, %	-	2.0	5.0
Secondary coherence subpeaks, dB (10 log)	-	-25	-20
Slow / fast polarization ratio (PM "polarized" modules), dB*	5	10	
Operation temperature range (case), °C**	-55	-	+75
Cooler current, A	-	-	1.2
Cooler voltage, V	-	-	3.5

\* Lyot-depolarized version available upon request

\*\* butterfly packaged modules

**Attention:** Spectrum peak at 1280 nm is not guaranteed if not specially requested!

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

SLD-571-MP-(c)-(d)-(e)

Where:

c=package type

d=SM (isotropic) or PM (polarization maintain)

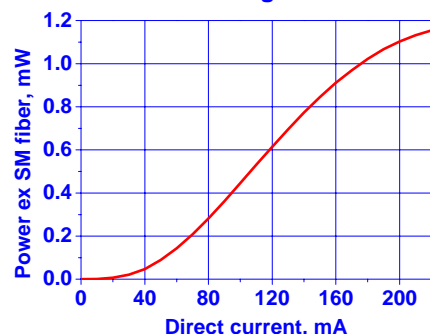
e=PD (monitoring photodiode)

Example: SLD-571-MP-DBUT-SM-PD

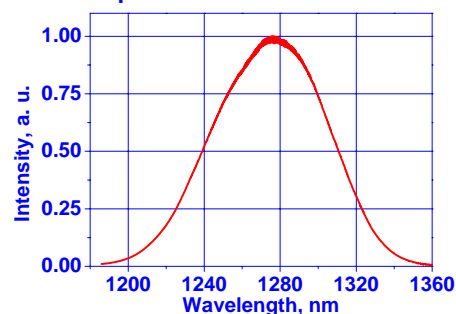
All specifications are subject to change without notice.

**PERFORMANCE EXAMPLES**

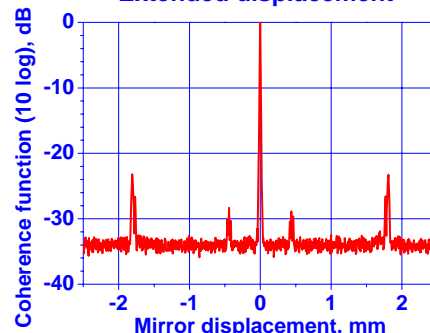
**SLD-571-MP-SM light-current curve**



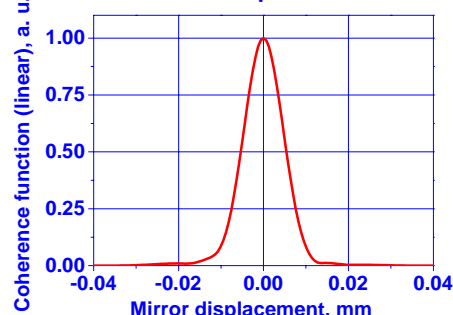
**Spectrum @ 1.2 mW ex fiber**



**Extended displacement**



**Short displacement**



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

**Mirror displacement = Optical path difference/2**