

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 pseudo-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, mW	0.75	1.0	-
Forward 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	
Operating temperature (case)**, °C	-55	-	+75
Cooler current, A	-	-	1.2
Cooler voltage, V	-	-	3.5

* Pseudo-depolarized versions (light is launched into the fiber with its polarization oriented at 45° to the birefringent axes) are available upon request

** butterfly packaged modules

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

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

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

where:

(c) – package type,

(d) – SM (isotropic) or PM (polarization maintain),

(e) – PD (monitoring photodiode).

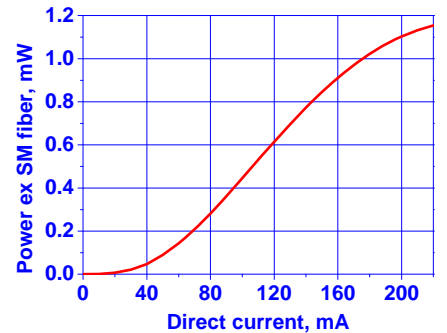
Example: SLD-571-MP-DBUT-SM-PD.

All specifications are subject to change without notice.

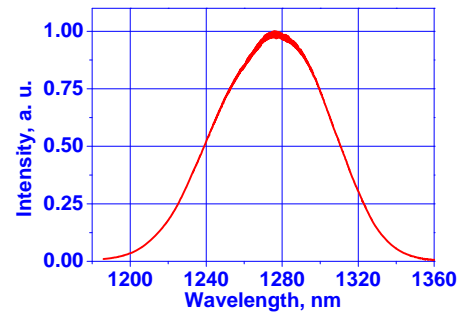
A lot of customized solutions are available — contact us with your detailed requirements!

PERFORMANCE EXAMPLES

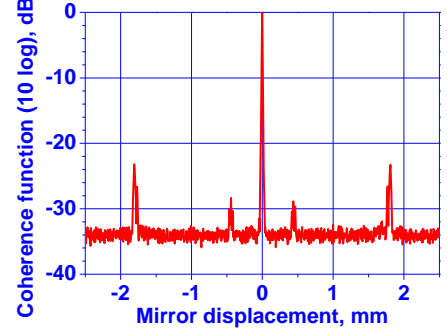
SLD-571-MP-SM light-current curve



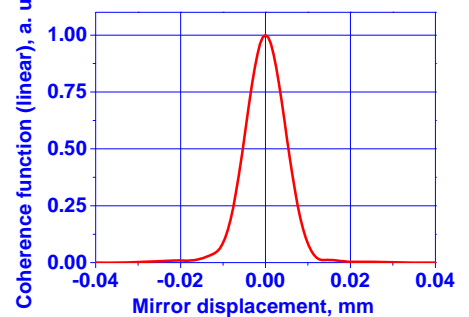
Spectrum @ 1.2 mW ex fiber



Extended displacement



Short displacement



Mirror displacement = Optical path difference/2