

Features:

- Output power of up to 15 mW
- LD-like spatial brightness, single transverse mode output
- Bell-shaped LED-like spectrum with very small ripples

Applications:

- Optical sensors
- Optical coherence tomography
- Optical measurements
- Atomic force microscopy
- Low speckle illumination
- Others

Specifications (Nominal Emitter Stabilization Temperature +25 °C)

Parameter	Min	Typ.	Max
Output power, P, mW	–	–	15
Forward current P, mA	–	160	–
Forward voltage, V	–	–	3.0
Central wavelength*, nm	660	670	680
Spectrum width at, FWHM, nm	6.0	7.5	–
Residual spectral modulation depth, %	–	2.0	5.0
Secondary coherence subpeaks, dB (10 log)	–	<-20	–
Polarization ratio (PM modules), dB	–	>20	–
PD monitor photocurrent at P, μ A	100	–	–
Operating temperature, °C	-55	–	+55
Storage temperature, °C	-55	–	+85
Cooler current, A	–	–	1.2
Cooler voltage, V	–	–	3.5

* A central wavelength of 670 nm is not guaranteed. Contact Superlum representative if you require a tighter tolerance of central wavelength.

Additional & customized:

- PD monitors
- FC/APC terminated pigtails
- PM pigtails

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

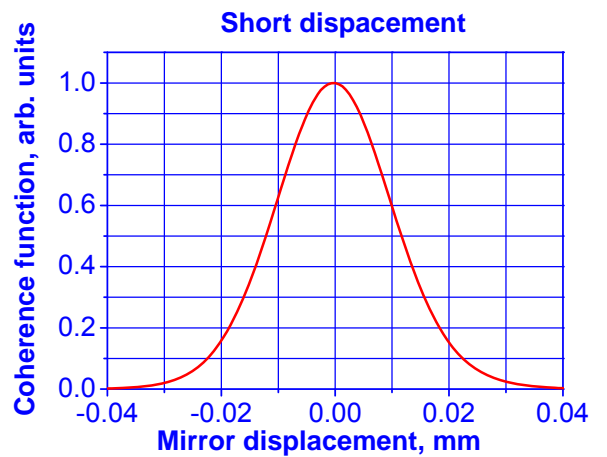
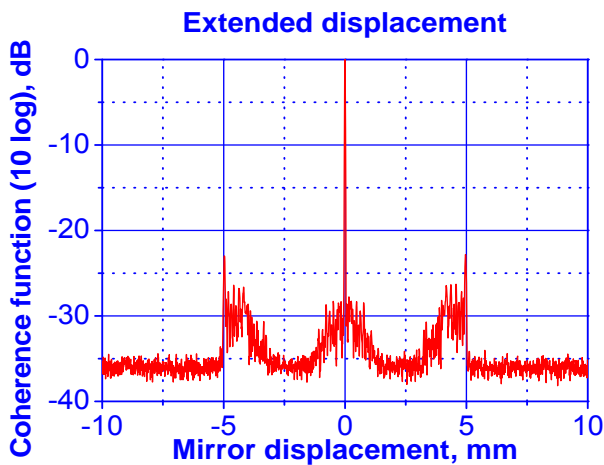
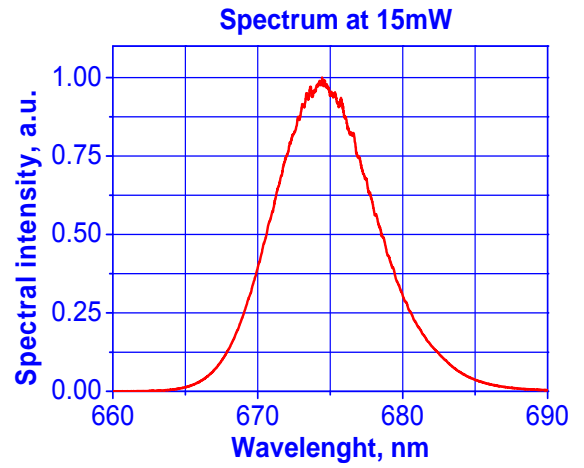
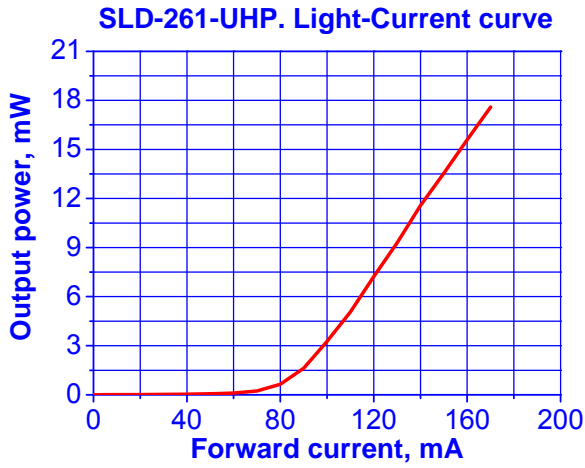
SLD-261-UHP-DBUT-(a)-PD-670,
 where: (a) – type of fiber—SM (isotropic) or PM (polarization maintaining).

Example: SLD-261-UHP-DBUT-SM-PD-670.

A maximum feedback of 10^{-3} is allowed to run UHP series SLDs safely at full power.

See the next page for performance examples →

TYPICAL PERFORMANCE EXAMPLES



Examples demonstrate typical performance only.
 Actual performance may vary from sample to sample and from lot to lot.
 All specifications are subject to change without notice.

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