

Features:

- CW output power of up to 5.0 mW
- LD-like spatial brightness, single transverse mode output
- Bell-shaped LED-like spectrum with very small ripples

Applications:**TO-9 Package***

* Free-space SLD modules in "cooled" TOW packages with internal TEC and thermistor for SLD temperature stabilization are available upon request.

Specifications (at +25 °C case):

Parameter	Category	Min	Typ.	Max
Output power, P, mW	MP1	1.5	-	3.0
	MP2	3.0	-	5.0
Forward current, mA	All	-	-	160
Forward voltage, V	All	-	-	3.0
Central wavelength [†] , nm	All	660	670	680
Spectrum width [†] , nm	All	6.0	7.5	-
Residual spectral modulation depth [†] , % (Resolution 0.02 nm)	All	-	<1.0	2.0
Wavelength shift with temperature at P=3 mW, dλ/dT, nm/°C, to λ at +25 °C	All	-	0.28	-
Secondary coherence subpeaks [†] , (10 log), dB	All	-	-25	-
Polarization ratio [†] , dB	All	-	>20	-
Far field divergence in the p-n junction plane [†] , degrees	All	-	10	-
Far field divergence in the plane normal to p-n junction [†] , degrees	All	-	35	-
PD monitor photocurrent [†] , μA	MP1	50	-	-
	MP2	100	-	-
Operating temperature [‡] , °C	All	-20	-	+35
Storage temperature, °C	All	-55	-	+85

[†] At an output power of 3 mW (MP1) / 5 mW (MP2) and a case temperature of +25 °C.

[‡] At +35 °C, maximum output power should not exceed 1.5 mW (MP1) or 2.5mW (MP2).

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

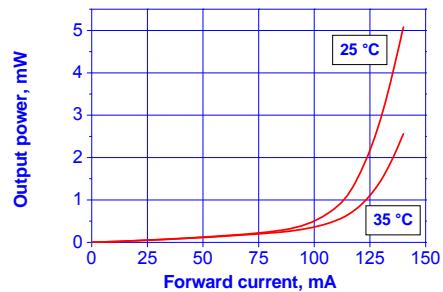
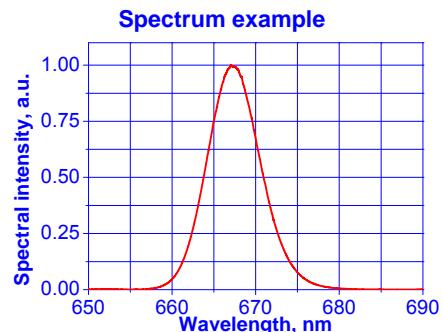
SLD-260-MP(a)-(b)-PD-670,

where: (a) – power category (MP1 or MP2), (b) – package type.

Example: SLD-260-MP2-TO9-PD-670

All specifications are subject to change without notice.

Rev.01.ST260TO9MP670.300817

PERFORMANCE EXAMPLES**Light-current curves at different case temperatures****Spectrum example (5 mW)****Far field (5 mW)**