SUPERLUM | **SLD-780G11P2.5S-TOSA9. Uncooled SM fiber pigtailed 9 mm coaxial TOSA SLD modules at 780 nm with bell-shaped spectrum**

Features:

- 2.5 mW output power up to +60 °C
- Stable operation from -20 °C to +60 °C
- PM, MM fiber pigtails upon request
- Low cost

Applications:

- Low cost OCT systems
- Fiber-optic gyros and other sensors
- optical measurements
- others

Optical Specifications

Parameter	Min	Typ	Max
SLD output power, mW	-	-	2.5
SLD drive current*, mA	-	-	150
SLD voltage*, V	-	-	2.5
PD monitor current and 2.5 mW power, μA	100	-	-
Central wavelength* at +25 °C and 2.5 mW, nm	770	780	790
3 dB spectral width* at +25 °C and 2.5 mW, nm	9	11	-
Residual spectral modulation depth*, %	-	2.0	5.0
Wavelength shift with temperature, dλ/dT, nm/°C, to λ at +25 °C	-	0.27	-
Tracking error −20 °C to +60 °C, 2.5 mW output power, dB	-	0.5	-

* at +25 °C and 2.5 mW.

Absolute Maximum Ratings

Parameter	Min	Typ	Max
SLD output power, mW	-	-	4
SLD forward current, mA	-	-	230
SLD forward voltage, V	-	-	2.6
PD monitor bias voltage, V	-	-	5.0
Operating temperature range †, °C	−20	-	+60
Storage temperature range, °C	−40	-	+80

† operating temperature range may be extended upon request. Contact Superlum for more details.

Attention – stresses beyond listed in “Absolute Maximum Ratings” may result in immediate SLD failure. Exposure to absolute maximum rating conditions for extended periods may affect device reliability.

The following Part Number should be used when **ordering**:

SLD–780G11P2.5S-TOSA9

See the next page for performance examples ➔

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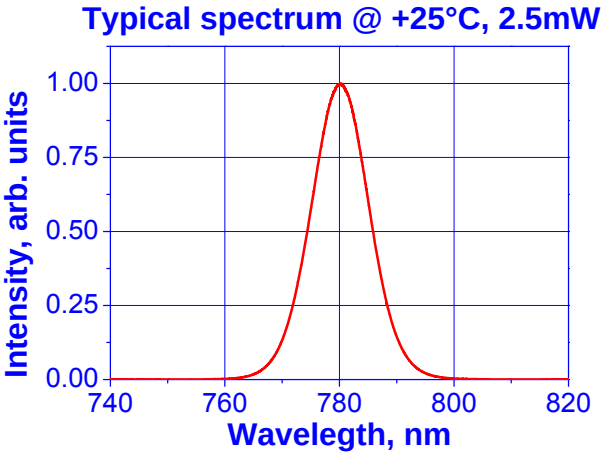
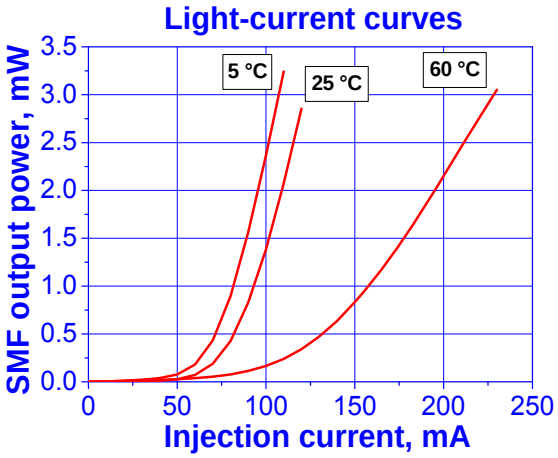
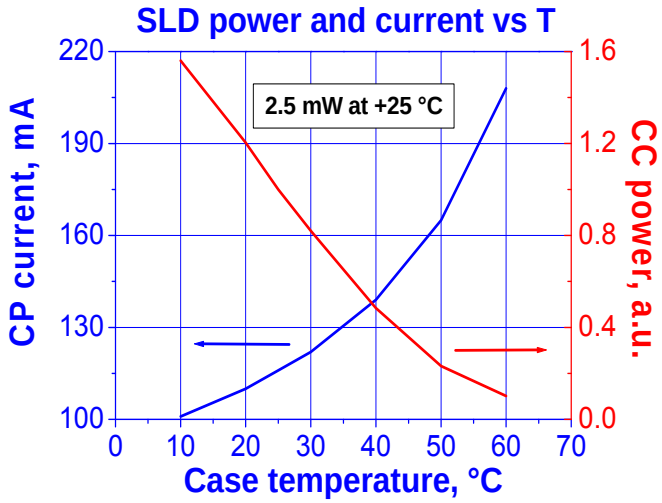
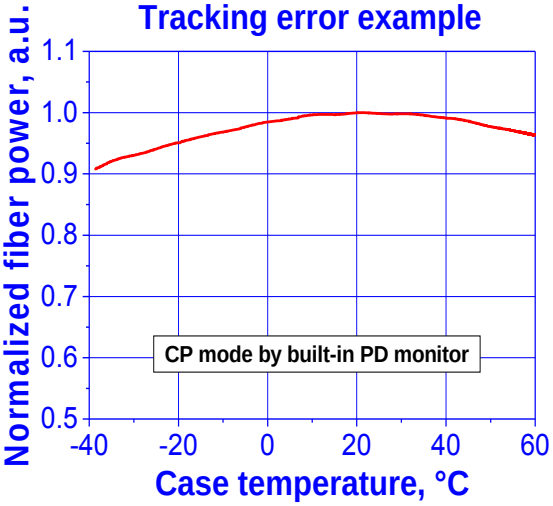
PERFORMANCE EXAMPLES









CC and CP denotes Constant Current and Constant Power operation modes, respectively.

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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