

This is a brief datasheet of SLD-380-MP and SLD-381-MP SLDs centered at 780 nm. Contact us for getting an extended datasheet. If you are unsure of the correct P/N, you just need to send us the 6-digit S/N you will find on the top of your SLD module.

Packages:

- fiber coupled — DIL, DBUT (butterfly)
- free space — TOW 1, 2

Standard specifications (nominal emitter stabilization temperature is + 25 °C)

Parameter	Min	Typ.	Max
Output power ex SM fiber*, mW (emitter @ +25 °C) – SLD-381-MP	1.5	–	3
Output power ex glass window, mW (emitter @ +25 °C) – SLD-380-MP	6.0	–	12.0
Forward current, mA	–	–	160
Forward voltage, V	–	–	2.7
Peak wavelength, nm	770	780	790
Spectrum width, nm	15	20	–
Residual spectral modulation depth [†] , %	–	1.0	2.0
Secondary coherence subpeaks [†] (10 log), dB	–	-25	-20
PD monitor current, μA	100	–	–
Operating temperature [‡] , °C	-55	–	+85
Storage temperature, °C	-55	–	+85
Cooler current, A	–	–	1.2
Cooler voltage, V	–	–	3.5

* Maximum output power is guaranteed only at a forward current level of 160 mA or less.

[†] Residual spectral modulation depth and secondary coherence subpeaks are specified at an output power of 1.5 mW ex fiber.

[‡] Case temperature (depends on the package type). The values shown are for butterfly packaged modules.