

Features:

- **NEW** miniature TE cooled package, only 15x8.5x5.4 mm size, excellent for miniaturization of fiberoptic gyros and other sensors
- highly effective TE cooler
- 0.5 mW or 1 mW SM fiber power
- very flat spectrum with negligible residual Fabry-Perot modulation depth
- extension of operation and storage temperature range available upon request!
- maximum -40 dB (reflectivity) parasitic secondary coherence subpeaks, -60 dB max parasitic subpeaks are available upon request
- polarized or depolarized PM fiber coupled versions available

Specifications

(Nominal Emitter Stabilization Temperature +25 °C)

Parameter	Cat.	Min	Typ	Max
Output power ex SM fiber, mW, Emitter @ +25 °C	MP1	0.5	-	-
	MP2	1.0	-	-
Forward current, mA	All	-	-	140
Forward voltage, V	All	-	-	2.2
PD monitor photocurrent at rated power, mA	All	0.1	-	-
Peak wavelength*, nm	All	770	830	860
Spectrum width, FWHM, nm	All	15	20	-
Residual spectral modulation depth, %	All	-	1.0	2.0
Secondary coherence subpeaks (10 log), dB	All	-	-25	-20
Operating temperature (case), °C	MP1	-55	-	+85
	MP2	-55	-	+75
Storage temperature, °C	All	-55	-	+85
Cooler current, A	All	-	-	1.1
Cooler voltage, V	All	-	-	3.5

Attention: Spectrum peaked around 830 nm is not guaranteed if not specially requested!

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

SLD-381-(a)-MINICOOLBUT-(c)-PD,

where:

- (a) – power category (MP1 or MP2),
- (c) – fiber type (SM or PM).

Example: SLD-381-MP2-MINICOOLBUT-SM-PD.

Attention: two package styles are available with different baseplates, please check package drawings.

All specifications are subject to change without notice.

PERFORMANCE EXAMPLES

