

Features:

- miniature uncooled package, only 10 x 4 x 8 mm frame size, ideal for miniaturization of fiberoptic gyros and other sensors
- developed for constant power mode operation; excellent stability of fiber-to-SLD coupling block
- 0.1 mW, 0.2 mW and 0.3 mW minimum SM fiber at +85 °C
- operation and storage T range extension above +85 °C up to +105 °C upon request!
- very flat spectrum with negligible residual Fabry-Perot modulation depth : rated maximum 1%, typically below 0.5%
- PM fiber coupled versions available

Parameter	Cat.	Min	Typ	Max
Output power ex SM fiber, mW, @ case temperature +85 °C, P(+85)	MP1	0.1	0.15	-
	MP2	0.2	0.25	-
	MP3	0.3	0.45	-
Absolute maximum output power ex SM fiber @ case temperature +25 °C, P(+25)	MP1	-	-	1.0
	MP2	-	-	1.5
	MP3	-	-	2.0
Forward current, mA	All	-	-	160
Forward voltage, V	All	-	-	2.7
PD monitor photocurrent at 0.1 mW fiber output power, mA	All	0.03		
Peak wavelength*, nm (case @+25 °C)	All	770	830	860
Spectrum width, FWHM, nm, (case @ +25 °C)	All	15	20	-
Residual spectral modulation depth at P(+85) power, %	All	-	<0.5	1.0
Residual spectral modulation depth at P(+25) output power, %	All	-	-	2.0
Operating temperature (case), °C	All	-55	-	+85
Storage temperature, °C	All	-55	-	+85

* Peak wavelength is not guaranteed to be 830 nm, unless explicitly requested by the customer.

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

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

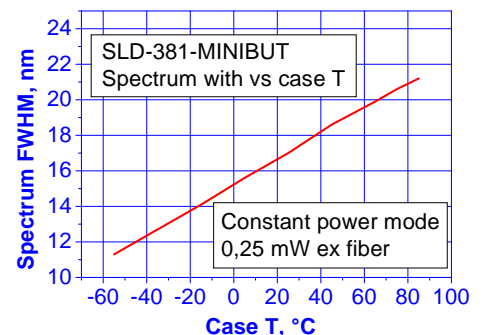
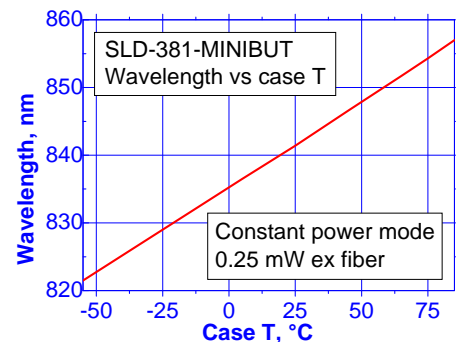
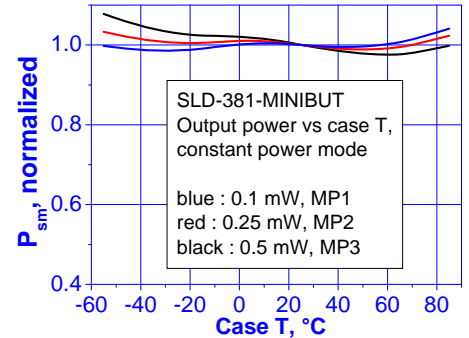
where:

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

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

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

PERFORMANCE EXAMPLES



All specifications are subject to change without notice.