

■ **Features**

- High radiant flux density
- Low coherency

■ **Applications**

- Optical fiber gyroscopes
- Optical communication
- Optical measurement systems



■ **Absolute maximum ratings (T_{op}(C) = 25 °C)**

Parameter	Symbol	Value	Unit
Forward current	I _f	185	mA
Radiant flux	Φ _e	15	mW
SLD reverse voltage	V _{rs}	1.5	V
PD*1) reverse voltage	V _{rd}	20	V
Operating temperature	T _{op} (C)	-10 to +70	°C
Storage temperature	T _{stg}	-20 to +80	°C

*1) Photo diode

■ **Electrical and optical characteristics (T_{op}(C) = 25 °C)**

Parameter	Symbol	Conditions	Value			Unit
			Min.	Typ.	Max.	
Center wavelength	λ _c	Φ _e = 10 mW	820	830	840	nm
Spectral radiation half bandwidth	Δλ		5	10	20	nm
Operating current	I _{op}		—	120	170	mA
Operating voltage	V _{op}		—	1.8	—	V
Beam spread angle	Horizontal	θ _{//}	4	8	12	° (degree)
	Vertical	θ _⊥	28	36	44	
Monitor current	I _m	Φ _e = 10 mW	0.05	0.12	0.3	mA

