

1035 nm laser diode

Model 1: 200 mW / singlemode fiber / 14 pin Butterfly / SMF or PMF

Reference: 1035LD-1-0-0 (-1: SMF; -2: PMF)

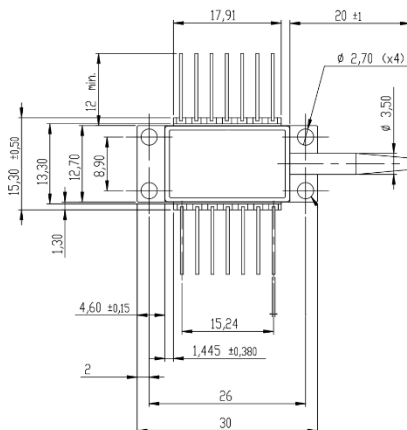
Technology: Fabry-Pérot*

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power (CW mode)	mW	150	200	
Output Power (Pulse mode)	mW	900	1000	
Center Wavelength (CW)**	nm	1025	1035	1045
Threshold Current	mA		60	80
Operating Current (CW mode)	mA		350	
Operating Current (Pulse mode)	mA			2000
Operating Voltage	V		1.6	2.0
Wavelength shift w Temperature	nm/°C		0.35	
Internal Photodiode Responsivity	mA/W	0.5		10
Internal Photodiode Dark Current	nA			100
TEC Current (Case @ 75°C)	A			1.5
TEC Voltage (Case @ 75°C)	V			3.3
Internal thermistor (25°C)	kΩ	9.5	10	10.5
Storage temperature	°C	-40		85
Operating temperature	°C	-5		75
Lead soldering temperature (10s max)	°C			280
Laser diode reverse voltage	V			2.0
Butterfly pin configuration	Type-1			
Fiber type	SM98-PS-U25A-H or equivalent			
Pigtail termination	Ferrule			
Polarization state (PM version)	Aligned parallel to the slow axis			

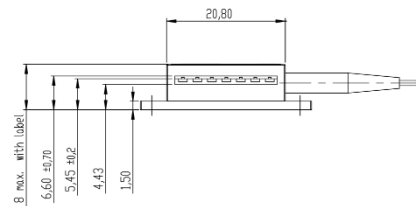
*: See our tutorial: [fiber coupled laser diode](#)

** : Possibility to specify a special wavelength in this wavelength range

Form factor & laser diode pin configuration (standard 14-pin Butterfly Type-1):



Dimensions are in mm.



PIN	FUNCTION	PIN	FUNCTION
1	TEC (+)	8	NC
2	Thermistor	9	NC
3	Monitor PD Anode	10	Laser Anode (+)
4	Monitor PD Cathode	11	Laser Cathode (-)
5	Thermistor	12	NC
6	NC	13	Ground
7	NC	14	TEC (-)

