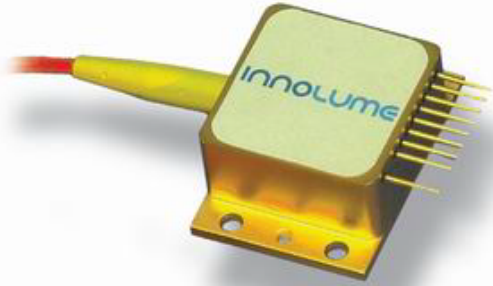


## LD-1250-HHLF-2000

High Power Diode Laser – 2W @ 1250nm



**Features:**

- InAs/GaAs Quantum Dot based diode laser
- Low threshold current, high slope efficiency
- CW, quasi-CW or pulsed operation

- High Heat Load Fibered (HHLF) package with built-in thermistor and thermoelectric cooler
- Multimode fiber pigtail, core diameter 200um, NA 0.22
- FC/PC or SMA optical connector
- Optional: integrated monitor photodiode for power control

**PRELIMINARY Specification**  
for engineering samples

DATE: 8<sup>th</sup> Feb. 2007

### SPECIFICATIONS

Test conditions: thermistor temperature 25°C, output power 2 W in CW operation

Parameters	Min.	Typ.	Max.	Unit
Output power		2.0	2.2	W
Central wavelength	1235	1250	1265	nm
Wavelength temperature tunability	0.4	0.5	0.6	nm/°C
Spectral width (FWHM)	3	8	15	nm
Operating current		7.0	8.0	A
Threshold current	0.4	0.5	0.6	A
Forward voltage	1.6	1.8	2.0	V
TEC current			8.0	A
Thermistor resistance	9.5	10.0	10.5	kOhm
Case operating temperature	0	25	50	°C

