



FBLD-976-3W-FC105-VBG-2Pin

Wavelength Stabilized Fiber-coupled Laser Diode

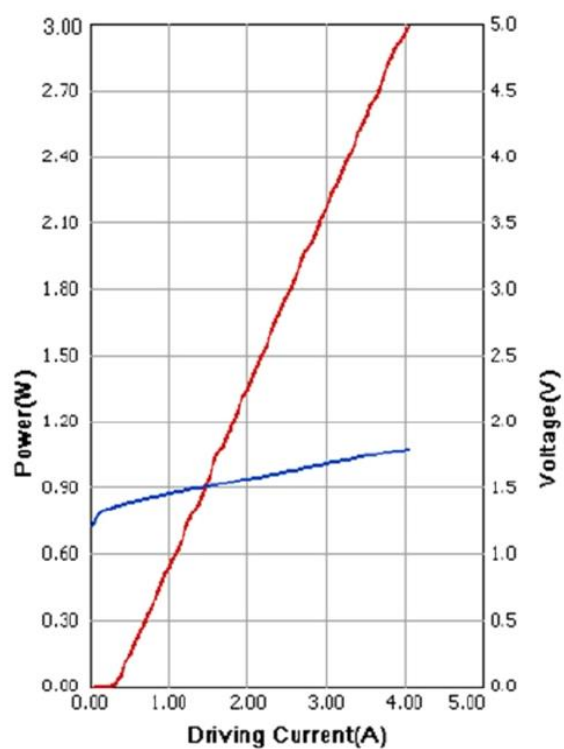
Features:

CW Output Power 3W
Fiber Core Diameter 105µm / NA 0.22
Wavelength Stabilized (VBG)
Feedback Protection Filter

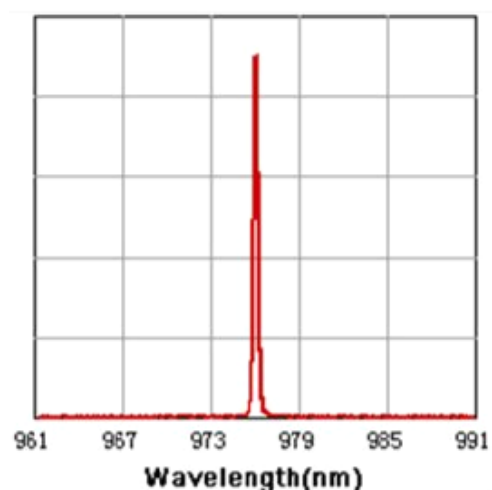
Optical Data	
CW Output Power (W)	3
Center Wavelength λ (nm)	976
Tolerance of λ (nm)	± 0.5
Spectral Width (FWHM) (nm)	<0.7
Temperature Drift of λ (nm/°C)	~ 0.02
Current Drift of λ (nm/A)	~ 0.05
Fiber Data	
Fiber Core / Clad Diameter (µm)	105 / 125
Numerical Aperture (NA)	0.22
Connector	None (SMA-905 optional)
Fiber Length (m)	1 $\pm$ 0.1
Electrical Data	
Threshold Current (A)	0.4
Operation Current (A)	1 – 4.5
Conversion Efficiency (%)	45
Slope Efficiency (W/A)	0.8
Operation Voltage (V)	1.8
Reverse Voltage (V)	2
Feedback Isolation	
Wavelength Bandwidth (nm)	1030 – 1200
Isolation (dB)	>30

Temperature Conditions	
Case Operation Temperature (°C)	25 – 35
Storage Temperature (°C)	-20 - 70
Other Parameters	
Laser Head Dimensions (mm) (Fiber and connector not included)	39 x 19 x 10.6
Lead Soldering Temperature (°C)	260 (10s)

Characteristics



Typ. Spectrum (25 °C)



Pin	Function
1	LD (+)
2	LD (-)