



Volume Bragg Grating Stabilized Laser Diode Module

FOLM-785-100-RO

Features

Single Frequency
Collimated Output Beam
Precision Cooling and Current Control
Noise <0.3%RMS
Wavelength Stability <0.015nm/°C

Applications

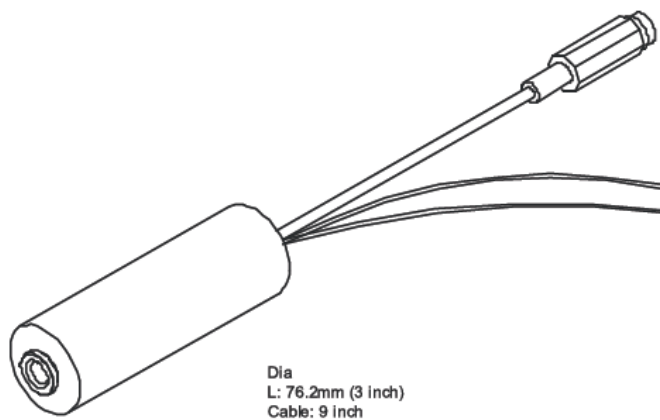
Raman Spectroscopy
Metrology
HeNe Replacement
Bio-Instrumentation
Sensing
Analytical Instrumentation

Optical Specifications (25°C)

	Symbol	Min	Typ	Max	Unit
Output Power	P_{out}		100		mW
Center Wavelength*	λ	-	785	-	nm
Wavelength Tolerance	λ	-	± 1	-	nm
Line Width	$\Delta\lambda$	-	50	-	MHz
Noise (RMS) 0-20MHz		-	0.25	0.5	%
Power Stability over 1 hr	ΔP_{out}	-	0.1	0.5	%
Polarisation		-	100:1	-	
Pointing Stability		-	-	± 25	μ rad
Beam Size	0.9 x 1.7				
Beam Divergence		-	1	3	mrad
Electrical Parameters					
Voltage		-	3.3	-	V
Current		-	-	0.5	A
Modulation Speed		-	-	3	kHz
Modulation Input (TTL)		0	-	5	VDC
Environmental Condition					
Storage Temperature		0	-	40	°C
Operation Temperature		10	25	40	°C
Operation Humidity	Non-Condensing				
Dimensions	Ø25.4 x 76.2mm				

* Available in 2nm increments

Package



Dia
L: 76.2mm (3 inch)
Cable: 9 inch