

“NEOARK” Diode Laser

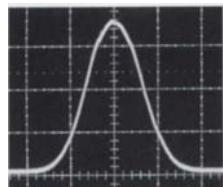
Fiber LD Unit for Interferometer

LD is principally not suitable for interferometer light source, because of LD's property such as wavelength stability, temperature stability, mode characteristic etc.

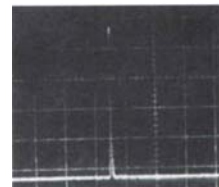
This Fiber LD unit solved these disadvantages, and enables usage for interferometer.



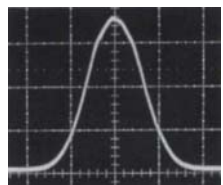
LDF-○○○○I			
Wavelength	635nm etc.	Output fluctuation	Less 1% (room temperature)
Output	1mW	Wavelength fluctuation	3×10^{-6} (theoretic value)
Transverse mode	TEM ₀₀	Wavelength repeatability	10^{-5} (theoretic value)
Longitudinal mode	Single (depending on laser)	Temperature adjusting range	$25^{\circ}\text{C} \pm 5^{\circ}\text{C}$
Used fiber	Constant plane of polarization single mode etc.	Electric consumption	Less 30VA



X axis Transverse Mode



Longitudinal Mode Spectral



Y axis Transverse Mode



Interference Fringe



NEOARK Corporation, Osaka Office

Phone: 81-6-6271-5123, Fax: 81-6-6271-5110

e-mail: Osaka@neoark.co.jp Web: <http://www.neoark.co.jp>