

Model: NS-LD05

976 nm fiber-coupled narrow spectra high power laser module

Key design features include:

- Single mode fiber coupled
- Output power ~150mW with spectra width <0.15 nm
- Side mode suppression >40 dB
- Very good wavelength and power stability
- Built-in temperature controller, laser diode current driver and air cooler.
- Options: built-in visible laser source for targeting purpose , polarization controller, fiber-collimator

Typical application:

Industrial OEM application and laboratory applications requiring high-power and narrow line-width laser with high stability. Examples: optical sensing, Raman spectroscopy, wavelength conversion, etc.

Specifications

Description	Min	Typical	Max	Unit
Operating wavelength	972	976	985	Nm
Output power	50	150	250	MW
Spectral width (FWHM)	0.001	0.15	0.3	Nm
Spontaneous emission suppression ratio	35	40	50	DB
Wavelength stability	±10	±15	±20	Pm
Fiber type		HI 1060		
Fiber Connector		APC		
Dimensions		280 x195x 40		mm
Power consumption	18	25	40	VA
Operating temperature	10	25	45	°C

Operates with an external power supply providing 12Vx3A.

