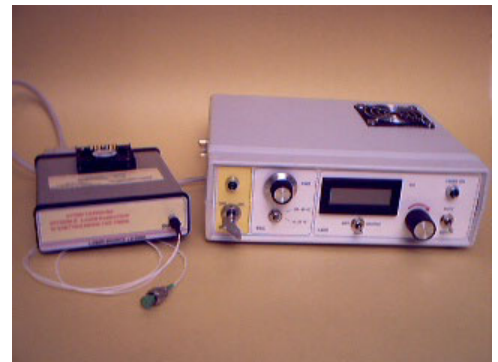


# Model: LD-5SK

## Compact narrow spectra sm-fiber coupled 915 nm laser module

### Key design features include:

- Medium optical power: up to 100 mW
- Narrow spectra: <0.05 nm
- Side-mode suppression ratio: >50 dB
- Excellent wavelength and power stability
- *Optional* external temperature controller and laser diode driver.
- *Optional* RF modulation input (up to 100 MHz)



LD-5SK with optional LDD/TEC

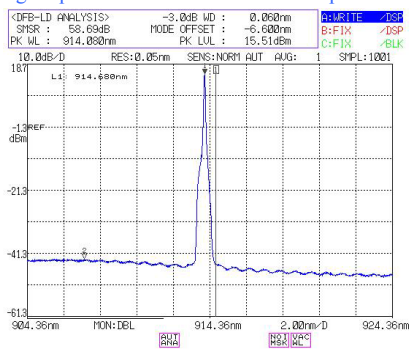
### Applications

LD-5SK is a compact, medium power, narrow spectrum single-mode fiber coupled laser source, operating at typical wavelengths of ~900-920 nm. Module designed for different industrial and laboratory applications demanding medium optical power and narrow line-width laser (optical seed source, sensing, Raman spectroscopy, testing of Si photodetectors, etc.). Laser can be modulated up to 100 MHz using an optional analog electrical input (impedance: 50 Ohm).

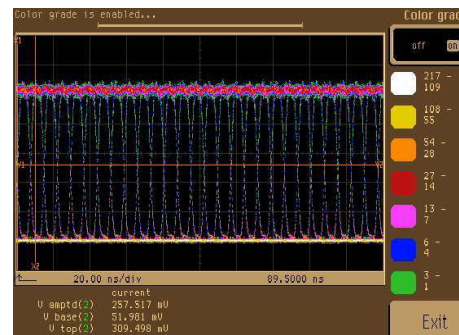
### Specifications:

Description	Min	Typical	Max	Unit
Operating wavelength	900	914	920	nm
Output power	10	50	100*	mW
Output connector		APC		
Storage temperature	0	25	65	°C
Humidity (non-condensing)			85	%R.H
Dimensions		125 × 15 × 30		mm
Spontaneous emission suppression ratio	35	50	60	dB
Spectral width (FWHM)	0.0001	0.06	0.1	nm
Wavelength stability	±2	±5	±20	pm

\* Higher power devices are under development



Typical laser spectra measured using OSA (Ando AQ-6315A)



Light eye-diagram of laser modulated through an optional RF input ("ECL"- level NRZ/ PRBS signal). Extinction ratio is >10 dB.

### Options:

- RF modulation input
- External TEC/LDD
- Optical fiber collimator
- External polarization controller