

## High Power Low Noise Laser – 1064nm

### Key Features

- Output power 100, 150 or 200mW
- Center wavelength in range 1050-1080nm
- No Relaxation Oscillation peak
- Very low amplitude noise-  
@ 100kHz : <-140dBc/Hz,  
@ >1MHz : <-160dBc/Hz  
(Shot noise limit)
- Narrow linewidth: 50kHz
- Good wavelength stability
- Small package size



Picture of the low noise laser.  
Package size- 89 x 38 x 15 mm

### Applications

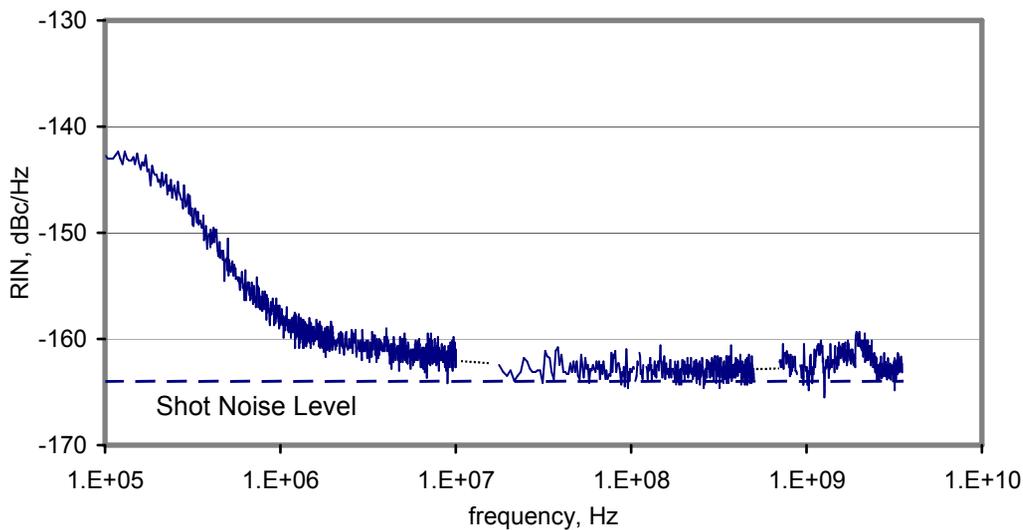
- LIDAR
- RF Links
- Sensing
- Coherent Communication
- Test & Measurement
- Replacement for Nd:YAG & Fiber laser based low noise lasers

## Product Specifications

Temperature: 25°C

Parameter	Value
Wavelength range	1050 – 1080nm
Output Power	100, 150, 200mW
Wavelength Stability	TBD – 0.1nm
Wavelength Accuracy	TBD - +/-0.1nm
RIN (100KHz)	< -140dB/Hz
RIN (>1MHz)	< -160dB/Hz or shot noise limited
Line width	50kHz
Side Mode Suppression Ratio (SMSR)	> 30dB
Power Stability	+/- 0.25dB
Connectors	FC/APC
Fiber pigtail	PM fiber, 1m long
Package Dimensions	3" X 1.5" X 0.5"

**RIN Measurement**



### Notes.

1. Laser polarization aligned to slow axis of the fiber.

**Fiber Type:** Fujikura Panda PMF with 900 micron Hytrel jacket

**Fiber Length:** 1.0 – 1.1 m

**Termination:** FC/APC (angled) connector