

Grating Stabilized Diode Lasers

Features

- 405nm to 1550nm
- Built-in gratings
- Narrow linewidths
- Highly stable
- Low power requirements
- Certified turnkey systems
- Flexible OEM systems

Applications

- Interferometry
- Raman Spectroscopy
- Fluorescence excitation
- Absorption



Lepton IV Turnkey System

These wavelength stabilized lasers have a built in grating which narrows the linewidth and spread of wavelengths. All lasers are temperature controlled for high stability and low noise. This minimizes or eliminates mode hops allowing them to be used in demanding requirements.

The turnkey laser systems are simple to use where all you do is plug it in and turn it on. No external heat sinks, control boxes or power supplies are required.

OEM systems have full control of the laser's output and temperature setting from the onboard pots or they can be adjusted by an external voltage source. Their small size and low voltage requirements fit easily into any system enclosure.



Lepton IV OEM System



Grating Stabilized Diode Lasers

Free Space Lasers

Model # OEM System	Model # Turnkey System	Wavelength	Linewidth (typical)	Output Power
L4 405N-9-TE/OSYS	L4 405N-9-TE/ESYS	405+/-1 nm	<160 MHz	9 mW
L4 405N-32-TE/OSYS	L4 405N-32-TE/ESYS	405 +/-1 nm	<160 MHz	32 mW
L4 638N-7-TE/OSYS	L4 638N-7-TE/ESYS	638+/-1 nm	<50 MHz	7 mW
L4 660N-28-TE/OSYS	L4 660N-28-TE/ESYS	660+/-1 nm	<50 MHz	28 mW
L4 760D-32-TE/OSYS	L4 760D-32-TE/ESYS	760.5+/-1 nm	2 MHz	32 mW
L4 785N-64-TE/OSYS	L4 785N-64-TE/ESYS	785+/-1 nm	<50 MHz	64 mW
L4 808N-135-TE/OSYS	L4 808N-135-TE/ESYS	808+/-1 nm	<50 MHz	135 mW
L4 852D-115-TE/OSYS	L4 852D-115-TE/ESYS	852+/-1 nm	2 MHz	115 mW
L4 976D-115-TE/OSYS	L4 976D-115-TE/ESYS	976+/-1 nm	2 MHz	115 mW
L4 1060D-115-TE/OSYS	L4 1060D-115-TE/ESYS	1060+/-1 nm	2 MHz	115 mW
L4 1310D-3-TE/OSYS	L4 1310D-3-TE/ESYS	1310+/-10 nm	<10 MHz	3 mW
L4 1550D-3-TE/OSYS	L4 1550D-3-TE/ESYS	1550+/-10 nm	<10 MHz	3 mW

Fiber Coupled Lasers

Model # OEM System	Model # Turnkey System	Wavelength	Linewidth	Output Power
SRT-F405N-10/APC/OSYS	FI1 405N-10-TE/APC	405+/-1 nm	<160 MHz	10 mW, Singlemode fiber
SRT-F638N-3/APC/OSYS	FI1 638N-2-TE/APC	638+/-1 nm	<50 MHz	3, 2 mW, Singlemode fiber
B3 785N-450/APC/OSYS	FI3 785N-450/APC	785+/-0.5 nm	0.08 nm	450 mW, 100µm core
B3 830N-450/APC/OSYS	FI3 830N-450/APC	830+/-0.5 nm	0.08 nm	450 mW, 100µm core
B2 975N-250/APC/OSYS	FI2 975N-220-TE/APC	975+/-0.5 nm	0.2 nm	250, 220 mW, PM fiber
SRT-F1060D-40/APC/OSYS	FI1 1060D-TE/APC	1060+/-1 nm	<10 MHz	40 mW, SM fiber
B2 1064N-150/APC/OSYS	FI1 1064N-140-TE/APC	1064+/-0.5 nm	0.3 nm	150, 140 mW, SM fiber
B2 1550D-20/FC/OSYS	FI1 1550D-20-TE/FC	1550+/-1 nm	<10 MHz	20 mW, SM fiber

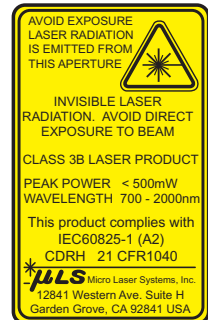
Please call for other wavelengths. Additional isolators, focusing optics, filters can be integrated onto the laser.

Fiber Coupled Lasers



Specifications subject to change without notice.

Label is illustrated here to comply with 21 CFR1040.10 as applicable under the radiations for health and safety act of 1986.



12841 Western Ave. Suite H, Garden Grove, CA 92841
Ph: 714-898-6001 Fx: 714-897-0979 Email: sales@microlaser.com Web: www.microlaser.com