

[OELAS-DFB]

## 1650nm High Power DFB Laser

### Features:

- High Power
- Single mode operation
- Continuous wave
- Wavelength stabilized
- Narrow wavelength linewidth
- Long term stability

### Applications:

- Gas sensing
- Range finding
- OTDR
- Research and development
- Optical testing

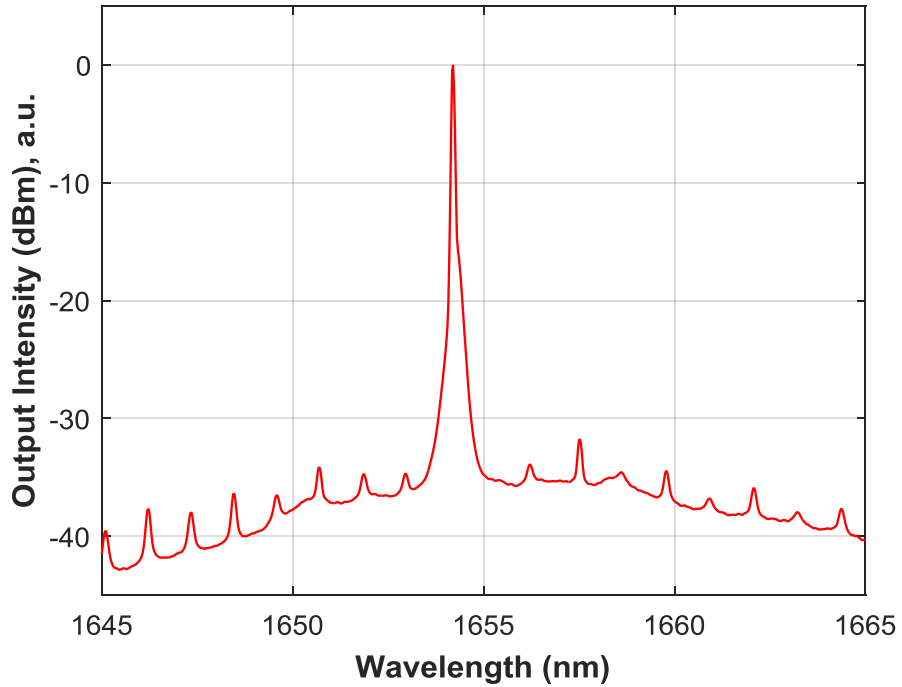


OELAS-DFB

### Product description:

High power DFB laser source at 1650 nm is a new product from O/E LAND INC. It is based on our advanced optical technologies and provides narrow linewidth stable single-mode operation with an output power up to 80 mW. The laser can be used in various applications including but not limited to Gas sensing, range finding, OTDR, optical sensing and R&D. Modulation of current and temperature is accessible via control port.

Parameter	Unit	OELAS-DFB
Output power	mW	up to 80
Wavelength range	nm	1650 ± 5
Isolation	dB	>40
Linewidth	MHz	<5
Polarization	-	random
Fiber type	-	SMF-28
Connector	-	FC/PC, FC/APC
Operating temperature	°C	-10 to +50
Dimensions	mm	250 x 255 x 110
Control port		RS232



Linewidth measurement using Fabry-Perrot Interferometer

Ordering number:

OELAS-DFB-WL-P:	WL	P
	Wavelength (nm)	Average power (mW)
Example:	OELAS-DFB-50	