

## 1550nm Narrow linewidth semiconductor laser module

### Model: OPT-NL1550-X1

#### Features

- Single longitudinal mode, ITU wavelength customizable
- Ultra low phase noise and relative intensity noise (RIN)
- Low sensitivity to vibration and noise
- Narrow line width (<10 kHz), long phase interference length
- No mode hopping within the operating life and temperature range
- Unmatched wavelength stability within lifespan and temperature range



#### Applications

- Sensing and detection
- LiDAR
- Optical detection
- Scientific research

#### Technical parameters

Parameter	Min	Typical	Max	Unit
Output power	20	40		mW
Center wavelength (Custom)	1530	1550	1565	nm
Spectral linewidth			10	kHz
Thermal frequency tuning range	50	-	-	GHz
Frequency modulation range	800	1000	-	MHz
RIN		-135		dB/Hz@100khz
Operating temperature range	10		50	°C
Optical isolation	40	-	-	dB
Power supply	5.7	5.9	6.5	V

## Package Drawings

