

OSICS T100

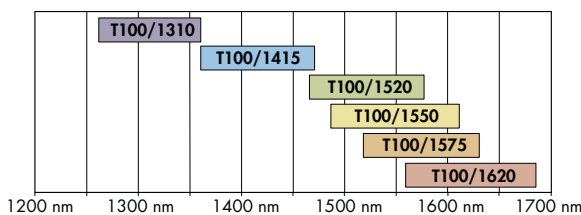
Tunable Laser Module

OSICS T100 are cost effective, external cavity tunable lasers modules utilizing Yenista's patented T100 cavity. This gives a minimum of 100 nm tuning range with narrow linewidth, high output power and ultra-low optical noise. This low noise significantly increases the dynamic range of a measurement. The OSICS platform provides front panel and remote control interfaces.



Key Features

- External cavity design
- O, E, S, C, L & U bands
- ≥ 100 nm tuning range
- +6 dBm output power
- Ultra-low SSE noise
- Narrow linewidth
- Modulation up to 1 MHz
- Simple front panel or remote control



Overview of Available Models

		T100 1310	T100 1415	T100 1520	T100 1550	T100 1575	T100 1620
Wavelength Range (nm)	P= 3 dBm	1260-1360	1360-1470	1465-1575	1490-1610	1520-1630	1560-1680
	P= 6 dBm	1290-1340	1390-1445	1495-1555	1520-1590	1540-1610	1580-1660
SSSER		> 90 dB / 0.1 nm typical					
Side Mode Suppression Ratio*1		≥ 45 dB					
Stability*2*3	Wavelength	± 0.01 nm/h (± 0.01 nm / 24 h typical)					
	Output Power	± 0.01 dB/h (± 0.01 dB / 24 h typical)					
Relative Intensity Noise*3*4		-145 dB/Hz typical					
Spectral Width (FWHM)		150 kHz typical (coherence control off)					
		> 100 MHz (coherence control on)					
Wavelength Setting Accuracy*3		± 0.2 nm					
Wavelength Setting Repeatability		± 0.01 nm typical					
Wavelength Setting Resolution		0.01 nm (0.001 nm option R)					
Tuning Speed*5		10 nm/s typical					
Analog Modulation		150 Hz to 200 MHz (external)					
Digital Modulation		500 Hz to 1 MHz (internal & external)					
Output Fiber Type		SMF or PMF (option M)					
Output Connector		FC/APC narrow key					
Laser Safety Classification		Class 1M					

All specifications are given after 60 minutes warm-up and apply for wavelengths not equal to any water absorption line.

*1: Measured over a 0.1 nm bandwidth ± 1 nm from the signal.

*2: At constant temperature.

*3: Measured at 0 dBm output power.

*4: Measured at 100 MHz.

*5: With the high resolution option (R) the tuning speed is 2.5 nm/s typical.

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Information and specifications are subject to change without notice
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