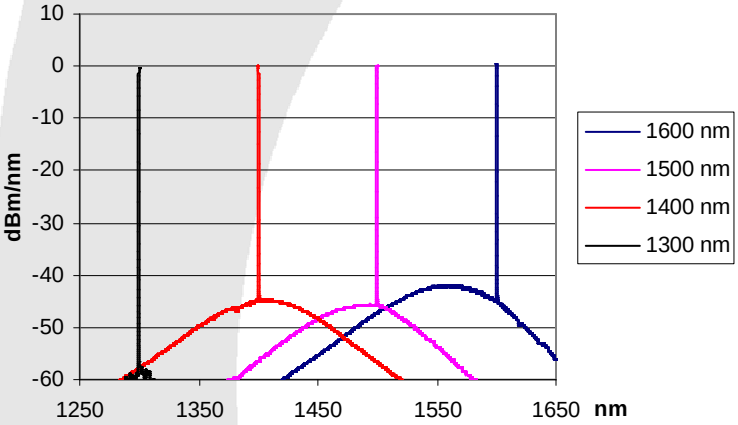
OSICS ECL-FBL – Full-Band Tunable Laser Source

From 1270 nm to 1650 nm, the ECL-FBL provides full telecom band coverage for the O, E, S, C, L and U bands in a single compact unit.

With 0 dBm guaranteed power over the entire tuning range, the ECL-FBL is the ideal tool for testing CWDM and WDM passive and active components.

The full-band laser is made of four ECL modules and one optical switch featuring Automatic Power Control. The ECL modules are high-performance External Cavity based on Yenista's Tunics technology which leads to excellent optical power and wavelength stability
With a modular approach, users buy only the wavelength range they need today and keep the ability to extend it later on.
The ECL-FBL fits inside the classical 8 slot modular OSICS platform, a compact 3U format ideal for Research & Development and production testing. The remaining free slots could be utilized for any of the other OSICS modules, such as DFBs, TLS modules or additional ECL modules.



		ECL-1300	ECL-1400 Extended	ECL-1480 Extended	ECL-1600 Extended
Laser Specifications	Wavelength range *1	1270-1340 nm	1340-1430 nm	1430-1540 nm	1540-1650 nm
	Output Power *1, *2	+0dBm over all wavelength range			
	Automatic Power Control Accuracy	±0.2 dB			
	Wavelength Accuracy	±0.2 nm			
	Wavelength Stability	± 0.01nm / h (± 0.01nm / 24h typ.)			
	Wavelength Setting Resolution	0.01 nm			
	Tuning Repeatability	± 0.01nm (typ.)			
	Tuning Speed	10 nm/s			
	Side Mose Duppression Ratio	>45 dB			
Mainframe Specifications	Dimensions (WxHxD)	448 x 133 x 370 mm3			
	Power Supply	100 to 240 V, 50 to 60 Hz			
	Control	Instrument front pannel, RS-232C, IEEE-488.2-			
	Weight (with all five modules)	13,1 kg			

*1 : After warm-up.
*2 : At a constant temperature.

Ordering information

Osics ECL-FBL : package made of one Osics mainframe + four Osics ECL module + one Osics SWT 1x4 and relevant patchcord.

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