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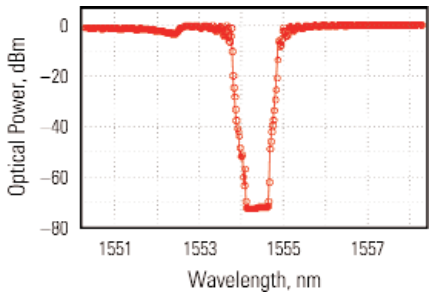
Find the *Newport / New Focus 6528-LN* at our website: *Click HERE*

Swept-Wavelength Tunable Laser Source

- ***Fast 100-nm/s tuning speed covering the entire C+L bands***
- ***>70-dB ASE low-noise version for testing high-performance components***
- ***Icon-based touch-screen interface with detachable control pad***
- ***Rugged design for 24/7 operation on the manufacturing floor***



Designed specifically for high-volume testing of high-performance WDM components, the Model 6528 enables fast, high-resolution, low-noise measurements. This swept-wavelength tunable laser enables characterization of components faster and more precisely than an OSA, over the entire C and L bands.



Optical power transmission through two matched narrow-notch-filter fiber-Bragg-grating reflectors measured with the 6528-LN. The ratio of the signal power to the total integrated ASE background power outside the 0.8-nm filter width is >70 dB.

With its 100-nm/s tuning, >70-dB ASE*, and 30-pm open-loop accuracy, you'll be able to observe your component's wavelength response in real time. This ability allows you to observe and measure critical component adjustments during the manufacturing process.

The Model 6528 is designed with a language-independent icon-based interface for easy global deployment. The controls are nearly as easy to use for novice technicians as for experts. With one knob and a touch-screen interface, we've kept the number of "clicks" to a minimum so the operator can quickly and easily program, select, or even step through a series of wavelengths. The revolutionary control pad detaches from the base unit so each user can customize their workplace for optimal convenience and productivity.

** Low-noise version.*



The control pad detaches from the base unit so each user can customize their workplace for optimal convenience and productivity.

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SPECIFICATIONS

Model #	6528-LN	6528-HP
Tuning Range	1520–1620 nm	
Absolute Wavelength Accuracy[1]	30 pm	
Mode-Hope Performance[2]	Mode-Hop Free	
Wavelength Resolution[2,3]	0.1 pm	
Wavelength Repeatability[2]	<±2.5 pm	
Wavelength Stability[2,4,8]	<5 pm	
Tuning Speed	1–100 nm/s	
Output Power	>+1 dBm (1570–1620 nm) >–1 dBm (1520–1570 nm)	>+6 dBm (1520–1620 nm)
Power Repeatability[2,8]	0.05 dB	
Power Stability[2,4]	±0.02 dB	
Amplified Spontaneous Emission (ASE)	>70 dB[2,5] >90 dB[2,6]	>40 dB[2,5] >45 dB[5] (1540–1620 nm)
Integrated Dynamic Range	>60 dB[2,7] >65 dB[7,8] (1540–1620 nm)	--
Side-Mode Suppression Ratio[2,8]	>50 dB	
Control Pad	Icon-Based Touch Screen	
Control Pad Cord Length	4 feet	
Fiber Connector	FC/APC	
Fiber Type	PM (Polarization Maintaining)	
TTL Triggers	2 Settable Triggers	
Computer Interface	IEEE, RS232C, Ethernet, Keyboard, and Mouse	
Operating Temperature	15–35 °C	
Storage Temperature	–20 °C to 70 °C	
Shock/Vibration	ISTB Procedure 2B	
Operating Humidity	90% RH (non-condensing)	
Warm-Up Time	45 minutes	
Size	19" Rack Mount, 3U high	

PRELIMINARY SPECIFICATIONS

ALL DATA SUBJECT TO CHANGE

[1] *After wavelength recalibration (user-performed function).*
[2] *Over full wavelength range.*
[3] *1 pm in step mode.*
[4] *1 hour, temperature ±2 °C.*
[5] *0.1-nm bandwidth, signal to max ASE, 1–3 nm from carrier.*
[6] *0.2-nm bandwidth, signal to max ASE, >5 nm from carrier.*
[7] *Signal to total ASE >0.5 nm from carrier.*
[8] *Typical.*



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