



500 mW High-Power DFB Laser

*Lumentum is displaying high power 1310 nm DFB laser technology as part of the OIF Co-Packaged Optics demonstration, within the **Very High Power (VHP) Laser Box**.*

This new class of high-power lasers from Lumentum is an ideal optical power source for silicon photonics co-packaged optics (CPO) applications supporting the CWDM wavelengths (1270 to 1330 nm). These lasers provide up to 500 mW of optical power and high wall-plug efficiency to enable superior CPO ELS solutions supporting the growing bandwidth needs for networking and AI applications.

Features

- *Up to 500 mW optical power*
- *Foundation in Lumentum's proven 14xx Raman pump laser technology*
- *Scalable solution to grow with system demands*
- *Suitable for CWDM, LAN-WDM, CW-WDM MSA wavelengths*

System benefits

- *Separation of laser solution from CPO thermal solution to optimize system efficiency and reliability*
- *Substantial reduction in number of lasers required per switch and packaging costs*

Applications

- *External laser source for co-packaged optics applications*
- *Data center applications*
- *High performance computing applications*

Lumentum (NASDAQ: LITE) is a market-leading designer and manufacturer of innovative optical and photonic products enabling optical networking and laser applications worldwide. Lumentum optical components and subsystems are part of virtually every type of telecom, enterprise, and data center network. Lumentum lasers enable advanced manufacturing techniques and diverse applications including next-generation 3D sensing capabilities. Lumentum is headquartered in San Jose, California with R&D, manufacturing, and sales offices worldwide. For more information, visit www.lumentum.com.

