

## **LOW LOSS, LOW POWER DWDM OPTICAL CHIPS FROM ENABLENCE ADDRESS DATA CENTERS' GROWING BANDWIDTH REQUIREMENTS**

SAN JOSE, Calif., OCTOBER 25, 2023 – [Enablence Technologies](#), a leading provider of photonic semiconductors for data center, telecom, automotive, and industrial automation applications announced a new series of low loss, low power, Dense Wavelength Division Multiplexing (DWDM) optical devices. The new Gaussian and Flattop optical DWDM devices enable data centers' interconnectivity to optimize bandwidth and data traffic across much longer distances. This makes them especially useful for mission-critical networks. The new DWDM devices comply with Telcordia GR-1221-CORE.

DWDM is a form of wavelength division multiplexing designed to afford organizations more flexibility and cost benefits in solving increased network bandwidth capacity requirements. Enablence's new devices support high channel density within the 1525 to 1565 nm C-Band spectrum. As result, the new devices can transmit large quantities of data through a single fiber. This enables more wavelengths to be packed onto the same fiber. These low-loss devices support the temperature range of -40°C to +85°C (-40°F to +185°F).

Enablence's new DWDM devices extend signal quality over longer distances and lengthen data rates by densely packing data streams at different wavelengths. By using optical amplifiers, Enablence's DWDM family of devices also enable the transport of higher amounts of data up to thousands of kilometers. DWDM plays a significant role in the convergence of the metro, wireless, and DCI networks across both telecom and data center service providers.

“Demand for optical networking solutions is exploding, and datacenters in particular are turning to DWDM photonics devices as one of a handful of solutions to meet the immediate and growing need for increased bandwidth and distance,” commented Todd Haugen, Chief Executive Officer (CEO) of Enablence. Our DWDM roll out follows the release of a new family of CWDM devices both based on proven planar lightwave circuit (PLC) technologies and all of which supports our strategic plan to expand our photonics roadmap to capitalize on immediate and longer-term growth opportunities in datacom, telecom and LiDAR markets.”

### **About the New DWDM Mux/Demux Devices**

Based on PLC technologies, the DWDM optical devices are low insertion loss and unpowered devices. They are used in applications within and between data centers, front and back haul of wireless communications, and edge network of the telecom service providers. Enablence offers the DWDM devices in different grid pitches and mechanical footprints. The devices are also available in both curved-cut format or rectangular-cut format. Optical performance is based on the 85/85 Damp Heat and other common industry standards. For pricing and availability email technical sales at [sales-ENA@enablence.com](mailto:sales-ENA@enablence.com)

### **About Enablence**

[Enablence Technologies Inc.](#) is a publicly traded company listed on the TSX Venture Exchange ("TSX-V" - ENA). The Company designs, manufactures, and sells optical components, primarily in the form of planar light wave circuits (PLC) and LiDAR technologies on silicon-based chips. Enablence products support a broad range of customers in the multi-billion, datacenter, telecom, automotive, and industrial automation industries. Enablence operates a wafer fab in Fremont, California with design centers in Canada and China supported by sales and marketing operations worldwide. For more information contact [sales-ENA@enablence.com](mailto:sales-ENA@enablence.com)

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### **Cautionary Note Regarding Forward-Looking Information**

This news release contains forward-looking statements regarding the Company based on current expectations and assumptions of management, which involve known and unknown risks and uncertainties associated with our business and the economic environment in which the business operates. All such statements are forward-looking statements under applicable Canadian securities legislation. Any statements contained herein that are not statements of historical facts may be deemed to be forward-looking statements. By their nature, forward-looking statements require us to make assumptions and are subject to inherent risks and uncertainties. These statements are based on current

expectations that involve several risks and uncertainties which could cause actual results to differ from those anticipated. Although the Company believes that the expectations reflected in the forward-looking statements contained in this news release, and the assumptions on which such forward-looking statements are made, are reasonable, there can be no assurance that such expectations will prove to be correct. We caution our readers of this news release not to place undue reliance on our forward-looking statements as several factors could cause actual results or conditions to differ materially from current expectations. Additional information on these and other factors that could affect the Company's operations are set forth in the Company's continuous disclosure documents that can be found on SEDAR ([www.sedar.com](http://www.sedar.com)) under Enablence's issuer profile. Enablence does not intend, and disclaims any obligation, except as required by law, to update or revise any forward-looking statements whether because of new information, future events or otherwise.

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