

# MACOM Announces New Portfolio of 25G Lasers for High-Volume Deployment in 5G LTE Wireless Fronthaul Applications

September 6, 2018

- Industrial temperature-grade 25G DFB lasers extend MACOM's technology leadership in wireless network infrastructure
- MACOM's proprietary Etched Facet Technology (EFT) is poised to enable 25G laser manufacturing at commercial scale
- 25G laser portfolio will be showcased at CIOE in Booth #1A32, and ECOC in Booth #579
- New 25G lasers for 5G LTE applications are sampling to customers today

LOWELL, Mass.--(BUSINESS WIRE)--Sep. 6, 2018-- [MACOM Technology Solutions Inc.](#) ("MACOM"), a leading supplier of high-performance RF, microwave, millimeterwave and photonic solutions, today announced a new portfolio of 25G distributed feedback (DFB) lasers designed for use in next-generation 5G LTE wireless fronthaul infrastructure. Building on MACOM's legacy of industry leadership in 4G LTE connectivity solutions, the new laser portfolio is expected to help wireless operators deploy 25G optical links at commercial scale and cost structures on the path to 5G.

This press release features multimedia. View the full release here: <https://www.businesswire.com/news/home/20180906005197/en/>



Available in bare die chip format (1xxD-25I-LCT11-50x) and TO-packaging (1xxD-25I-LT5xC-50x), MACOM's new 25G DFB lasers are designed for operation in the -40 to 85°C temperature range over transmission distances from 2 to 10 kilometers. The new 25G lasers will meet stringent operating requirements while helping to expand wireless infrastructure bandwidth for high-speed 5G connectivity.

MACOM will be showcasing its 25G laser portfolio at the China International Optoelectronic Exposition (CIOE), Booth #1A32, in Shenzhen, China, September 5th – 8th, and at the European Conference on Optical Communication (ECOC), Booth #579, in Rome, Italy, September 24th – 26th. For more information about MACOM's optical and photonic technology solutions, visit [www.macom.com](http://www.macom.com). (Graphic: Business Wire)

MACOM's new industrial temperature-grade 25G laser portfolio leverages MACOM's proprietary EFT, which at commercial scale manufacturing levels, could enable breakthrough cost efficiencies and product uniformity.

MACOM believes that this high-volume production capability distinguishes us as a leading provider of 25G lasers across a host of Cloud Data Center and wireless infrastructure applications.

"MACOM's new 5G LTE-optimized 25G laser family builds on our comprehensive portfolio of 5G enabling technologies, and again demonstrates the value of EFT for achieving production efficiency that scales to meet industry supply and cost structure needs," said Dr. Fang Wang, Vice President and Business Line Manager, Lightwave, MACOM. "For customers transitioning from 10G to 25G wireless fronthaul infrastructure, MACOM can provide the 25G lasers, complementary components and application expertise to help accelerate deployment time and reduce costs."

MACOM's industrial temperature-grade 25G lasers are sampling to customers today, with production availability planned for 2019.

MACOM will be showcasing its 25G laser portfolio at the China International Optoelectronic Exposition (CIOE), Booth #1A32, in Shenzhen, China, September 5<sup>th</sup> – 8<sup>th</sup>, and at the European Conference on Optical Communication (ECOC), Booth #579, in Rome, Italy, September 24<sup>th</sup> – 26<sup>th</sup>. For more information about MACOM's optical and photonic technology solutions, visit [www.macom.com](http://www.macom.com).

## ABOUT MACOM:

MACOM enables a better-connected and safer world by delivering breakthrough semiconductor technologies for optical, wireless and satellite networks that satisfy society's insatiable demand for information.

Today, MACOM powers the infrastructure that millions of lives and livelihoods depend on every minute to communicate, transact business, travel, stay informed and be entertained. Our technology increases the speed and coverage of the mobile Internet and enables fiber optic networks to carry previously unimaginable volumes of traffic to businesses, homes and datacenters.

Keeping us all safe, MACOM technology enables next-generation radars for air traffic control and weather forecasting, as well as mission success on the modern networked battlefield.

MACOM is the partner of choice to the world's leading communications infrastructure, aerospace and defense companies, helping solve their most complex challenges in areas including network capacity, signal coverage, energy efficiency and field reliability, through its best-in-class team and broad portfolio of analog RF, microwave, millimeterwave and photonic semiconductor products.

MACOM is a pillar of the semiconductor industry, thriving for more than 60 years of daring to change the world for the better, through bold technological strokes that deliver true competitive advantage to customers and superior value to investors.

