

FOR IMMEDIATE RELEASE

## Further Progress in the Development of Broad Band Lasers based on Quantum Dot Technology

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Following the recent announcement of the development of a new type of semiconductor laser with an extraordinary broad spectrum width, NL Nanosemiconductor has further extended the lasing spectrum width and reproducibly by obtaining lasing with uniform intensity distribution (only a 3dB modulation) of about 75nm (see figure below). The record-setting samples demonstrated a lasing spectrum even wider than 100 nm. A remarkable power of 750 mW in single lateral mode operation has also been obtained. In addition to use as low cost CWDM solutions based on Silicon photonics technology, such lasers are also expected to find applications in various fields of optoelectronics.

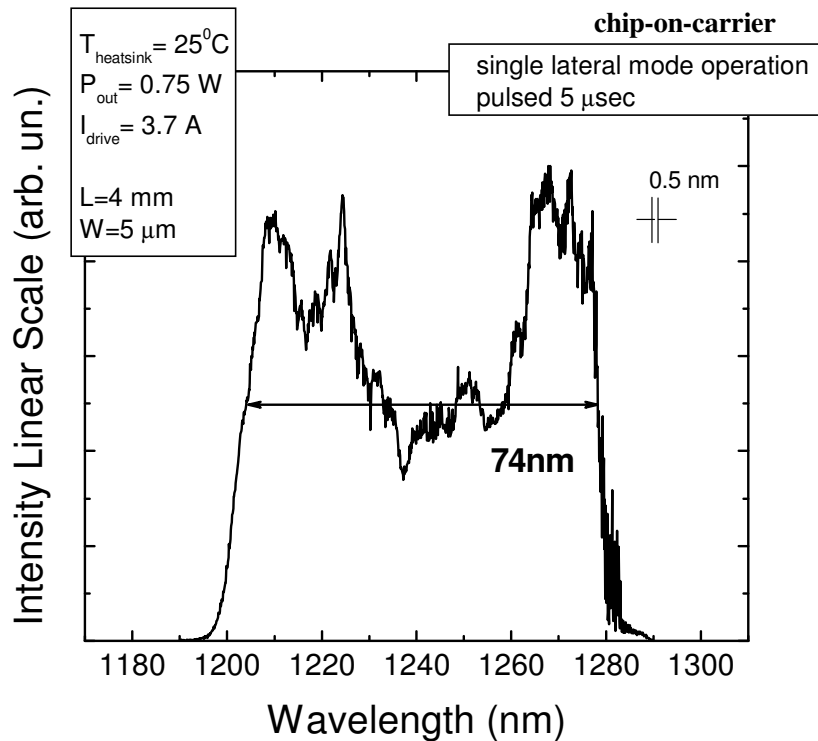


Figure: Lasing Spectrum of the Broad-Band QD Laser

See the previous press release for more details on [www.nanosemiconductor.com](http://www.nanosemiconductor.com)!

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