



Excelitas Technologies Introduces Surface Mount 905 nm Pulsed Semiconductor Laser for High Volume Applications

New Product Extends and Diversifies Excelitas' Cutting-Edge Line of Pulsed Laser Diodes

WALTHAM, Mass., May 13, 2013 – [Excelitas Technologies](#), a global technology leader focused on delivering innovative, customized optoelectronics to OEMs seeking high-performance technology solutions, today announced the launch of the newest addition to its family of pulsed laser diodes, the [Surface Mount 905 nm Pulsed Semiconductor Laser](#). With high optical pulses centered at a wavelength of 905 nm, the laser is designed specifically for high volume, cutting-edge applications such as range finders, safety light curtains and laser therapy.

The 905 nm pulsed laser diode chip has monolithically grown layers that concentrate the emitting source size and create three emitting active areas. On average, these lasers produce 70W of peak optical output power when operated at 30A on a triple cavity version, with single, dual and quad cavity variants also available. The laser chip is mounted on an FR4 substrate, a leadless laminate carrier, which offers thermal management and power stability with temperature. In addition, the chip is protected by an optically clear hard epoxy coating.

"We are pleased to introduce the Surface Mount 905 nm Pulsed Semiconductor Laser to our existing portfolio of innovative pulsed laser diodes," said Michael Ersoni, senior vice president and general manager, Excelitas Technologies' global detection business. "As a cost effective, high volume manufacturing-ready solution, this product allows us to offer customers the specific solutions they need to increase productivity and automate complex manufacturing processes."

Intended for surface mount application or hybrid integration, the laser can be precisely mounted by automated equipment, thereby reducing labor and time constraints. It is also capable of emitting light in a plane parallel or perpendicular to the mounting surface for easy integration into various OEM designs.

Excelitas Technologies will be exhibiting the new Surface Mount 905 nm Pulsed Semiconductor Laser at booth C2 154 during the [21st Laser World of Photonics](#) in Munich from May 13-16, 2013. For additional information on the laser, visit www.excelitas.com to [download the datasheet](#).

About Excelitas Technologies

Excelitas Technologies is a global technology leader focused on delivering innovative, customized solutions to meet the lighting, detection and other high-performance technology needs of OEM customers. From medical lighting to analytical instrumentation, clinical diagnostics, industrial, safety and security, and aerospace and defense applications, Excelitas Technologies is committed to enabling our customers' success in their end-markets. Excelitas Technologies has approximately 3,000 employees in North America, Europe and Asia, serving customers across the world. Connect with Excelitas on [Facebook](#), [LinkedIn](#) and [Twitter](#).

Contacts:

Patrick Pecorelli
Corporate Marketing, Excelitas Technologies
patrick.pecorelli@excelitas.com
781.522.5915

Danielle Wuschke
Fleishman-Hillard, on behalf of Excelitas Technologies
danielle.wuschke@fleishman.com
617.692.0509

###