

### Low Cost Laser Modules

## Laser Modules Smaller than a Pin

Laser Components introduces new laser modules: They are smaller than a pin, illuminate as a red or green dot, as a red line, or as a red cross-hair. Some of them can be used at temperatures of up to 60°C, and others can be focused.

They are inexpensive; for this reason they are commonly used in systems that require a low price. There are three series available that differ according to their wavelength:

LC-LMD-525-120-01-A: Dot lasers at a wavelength of 520nm. Despite the perceived brightness, this module is assigned to laser class 2. Thus, it has an output power of <1 mW and can be operated comfortably with a voltage between 3-6 volts.

The LC-LMP-635 series is focusable and is available as dot, cross-hair, or line laser. The modules have an output power of 3 mW; the wavelength is 635 nm.

The striking feature of the LC-LMD-650-02-T60 dot lasers is the surrounding temperature that may be as hot as up to 60°C without affecting the properties of the laser module. Others begin to sweat at 20°C. The module falls under laser class 2 with <1 mW and is so small that it can be integrated into small systems as well: With a length of 11.5 mm and a diameter of 6.2 mm, it is comparable to the cap of a retractable pencil.

### More Information

<http://www.lasercomponents.com/de-en/lasers/laser-modules/low-cost-oem-modules/>

### Trade Shows

**Elmia Subcontractor**, Nov, 10 - 13, 2015, Jönköping, Sweden

**BiOS 2016**, Feb, 13-14, 2016, Moscone Center, San Francisco, USA, **Booth 939**

**Photonics West 2016**, Feb, 16 - 18, Moscone Center, San Francisco, USA, **Booth 2023**

**DCS 2016**, Apr, 19 - 21, 2016, Baltimore Convention Center, USA

**analytica**, May, 10-13, 2016, Messe München, Germany **Booth A2.500**

**Sensor + Test**, 10. - 12. Mai 2016, Messe Nürnberg, Germany, **Hall 1, Booth 256**

### The Company

LASER COMPONENTS specializes in the development, manufacture, and sale of components and services in the laser and optoelectronics industry. At LASER COMPONENTS, we have been serving customers since 1982 with sales branches in five different countries. We have been producing in house since 1986 with production facilities in Germany, Canada, and the United States. In-house production makes up approximately half of our sales revenue. A family-run business, we have more than 200 employees worldwide.