

For Identical Laser Beams

Variable Beam Splitters on Customer Request

Variable beam splitters have a inhomogeneous layer distribution on a square substrate. The components are used to incorporate two beams in an assembly with a single laser when the laser power of both partial beams were supposed to be identical following the last optic in the system. This is impossible with conventional beam splitters because the different components transmit light unevenly.

The beam splitters are based on a customer request. The designs depend on the wavelength: If a variable beam splitter is developed for a wavelength of 532 nm, it does not function at another wavelength. For example, for 1064 nm designs, transmissions from 45% to 55% and 10% to 70% are available, or for the wavelength 753 nm transmissions from 4% to 20%.

Two standard sizes are offered: 45 mm x 22 mm and 70 mm x 22 mm. Other sizes are available but the maximum length of the substrates is restricted at 70 mm.

More Information

<http://www.lasercomponents.com/de-en/product/beam-splitter-cubes/>

Trade Shows

Automate Trade Show 2015, Mar, 23-26, 2015, McCormick Place, Chicago, IL, **Booth 1199B**
OFC 2015, Mar, 24-26, 2015, Los Angeles Convention Center, Los Angeles, **Booth 2424**
DSS 2015, Apr 21-23, 2015, Baltimore Convention Center, Baltimore, MD, **Booth 1125**
Sensor+Test 2015, May, 19 - 21, 2015, Messe Nürnberg, Germany, **Booth 12.117**
Anga Com 2015, Jun, 09 - 11, 2015, Messe Köln, Germany, **Booth 10.2 / J35**
Sensors Expo & Conference 2015, Jun 9-11, 2015, Long Beach Convention Center, CA, **Booth 924**
LASER. World of Photonics 2015, Jun, 22 - 25, 2015, Messe München, Germany, **Booth B3.303**

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 170 employees worldwide.