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Press Release



Cold despite Heat Radiation

Hot Mirrors: Filters for High Reflections also in the IR

Hot mirrors are designed to transmit visible light and simultaneously minimize the infiltration of heat into the system. Standard hot mirrors reflect more poorly the further you go into the infrared wavelength range.

LASER COMPONENTS introduces the ITO coated filters from Omega Optical that achieve a significant improvement in the IR with the ITO material system. Here indium oxide (In_2O_3) and tin oxide (SnO) are sputtered in an alternating mixing ratio. This combination offers a high transmission in the Vis, a reflection value of $R > 80\%$ up to the long-wave IR region, and a good electrical conductivity.

ITO coatings can be used for displays and touchscreens. This coating can also be used for EMC protection in optoelectronic components.

More Information

<http://www.lasercomponents.com/de-en/news/hot-mirrors-with-ito-cold-despite-heat-radiation/>

Trade Shows

Vision 2014, Nov. 04-06, 2014, Messe Stuttgart, Germany, **Booth 1F14**
electronica 2014, Nov. 11-14, 2014, Messe München, Germany, **Booth B1-306**
Photonics West 2015, Feb. 10-12, 2015, Moscone Center, San Francisco, USA, **Booth 2023**
Sensor+Test, May 19-21, 2015, Messe Nürnberg, Deutschland
Anga Com, Jun. 09 - 11, 2015, Messe Köln, Deutschland
LASER. World of Photonics, Jun. 22 - 25, 2015, Messe München, Germany

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.