

Detection of chip optical devices and optical modules



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He studied Chemical Engineering at the Indian Institute of Technology Madras in India where he worked on developing microfluidic devices for drug discovery and chemical processes. His current work ...



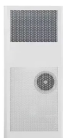
Here we present a straightforward approach for realizing on-chip subwavelength optical sources that can satisfy all of the mentioned features. The method consists in fabricating an arbitrary ...



Instead, optical detection remains an attractive solution for lab-on-a-chip devices, because of the ubiquity of the optical methods in the laboratory. Besides, robust and cost-effective devices for use in ...



In this sense, the different detection techniques that are presented here will be equally discussed considering their degree of complexity, ranging from punctual spectroscopic- or scattering ...



This white paper covers the basic principles of optical testing directly on wafers and the best measurement methods for both active and passive components present on the PIC chip.



In this work, we re-examine the main principles which are underneath the on-chip spectrophotometric detection, approaching the PhLoC concept to a nonexpert audience. This ...



A versatile polarization detection platform that surpasses the limitation of material anisotropy is demonstrated for optical communication and artificial vision with a high polarization ratio.



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Using Hamamatsu, assembly technology, optical technology and circuit technology, we can suppress optical and electrical crosstalk between channels and achieve superior light-shielding characteristics ...



In this post, I'll discuss various current-sensing functions in high-bandwidth data communication applications for pluggable optical modules.

Waterproof and dustproof, reliable and safe
The outer classic sink design allows the sealing ring of the cabinet and door to be seamlessly compressed without leaving a trace of gaps



Here we show a novel design of an integrated broadband photonic-plasmonic hybrid device termed MODetector featuring dual light modulation and detection function to act as an optical transceiver in ...

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