



Laser, LLC

Optical Components & Assemblies

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CVI announces high energy optical isolators

CVI announced today that it has introduced a new line of high energy optical isolators.

This alternative to a Faraday isolator achieves up to 20dB passive isolation of linearly polarized light by combining an optically contacted laser line polarizer cube and a multiple-order quarter waveplate. The assembly is easily mounted and can be used for both UV and high energy VIS-NIR lasers with pulse energies as high as 5J/cm². Optical isolators transmit polarized light in one direction and block polarized light in the reverse direction, thus eliminating optical feedback which causes amplitude fluctuation, frequency shift and noise.

“This addition to our passive isolator product line is an excellent opportunity for CVI to provide a cost-effective solution to our customers who work throughout the UV, visible and NIR wavelength regions,” states Emily Kubacki, CVI Optics Product Manager.

Serving semiconductor, biotech, industrial, commercial and research industries, CVI combines 30 years of optics manufacturing expertise with precision machining and mechanical design to produce integrated opto-mechanical assemblies. CVI is a leading manufacturer of optical components, providing engineering, rapid prototype delivery, high volume production, and system integration for challenging optical requirements. Headquartered in Albuquerque, New Mexico, CVI operates manufacturing facilities in New Mexico, California, the British Isles, and Korea with sales representatives and distributors located worldwide.

For further information, please contact Emily Kubacki, Optics Product Manager, 200 Dorado Place S.E., Albuquerque, NM 87123, by phone at 505-296-9541, by e-mail at emilyk@cvilaser.com, or visit the CVI website at www.cvilaser.com.