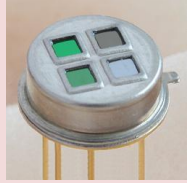


# YOUR ONE-STOP SOURCE FOR KEY COMPONENTS

## SENSORS & DETECTORS

**UV Photodiodes** – Silicon Carbide (SiC) and Gallium Phosphide (GaP) UV photodiodes from *IFW GmbH* and *Genicom*, with integrated filters and amplifiers.

**UV, X-Ray & Photon Diamond Detectors** – CVD diamond detectors from *Diamond Detectors Ltd.*



**Thermopile Detectors** – High performance thermopile detectors from *Micro-Hybrid Electronics GmbH*, including single and multi channel detectors, arrays and high temperature systems (180°C).

**Pyroelectric Detectors** – High performance pyroelectric Detectors from *Micro-Hybrid Electronics GmbH*, including multi channel detectors and high temperature system (180°C).

**Compact Spectrometers** – Spectral measurement systems, from individual point spectrometers to space-resolved spectral analysis, from *inno-spec GmbH*.

**UV-NIR Spectrometer Photodiodes** – Hybrid photodiodes with UV and NIR sensors from *IFW GmbH*.

**Quadrant Silicon Photodiodes** – from *IFW GmbH*.

**Bio and Chemical Sensors** – CVD diamond detectors from *Diamond Detectors Ltd.*

## AMPLIFIERS FOR SIGNAL RECOVERY

### Current, Voltage & Lock-In Amplifiers

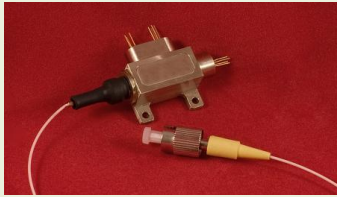
– Compact, ultra low noise current, voltage and lock-in amplifiers from *FEMTO Messtechnik GmbH*.



**Photoreceiver Modules** – Standard and custom Si & InGaAs photodiodes combined with ultra low noise amplifiers into one module from *FEMTO*.

## LASER DIODE MODULES AND SOURCES

**Laser diode modules** – Laser modules at most wavelengths from 365nm to 2000nm; standard & custom modules with optional Optics and TE Cooling, from *IMM Photonics GmbH*.



**Fiber optic Laser Diodes, Receivers and Accessories** – Custom components including fiber duplex and triplex modules from *IMM Photonics*.

**Pulsed IR Sources** – Modulation rates up to 100Hz and high extinction ratios, from *Intex*.

## INTERFERENCE FILTERS, OPTICS & COATINGS, CO2 LASER MIRRORS

**Infrared Filters** – Durable infrared (IR) filters from *Northumbria Optical Coatings (NOC)* and *Multi IR Optoelectronics Co Ltd.*. Narrow and wide bandpass, long and short wave pass filters; AR coatings for 2um to 20 um; Ultraviolet (UV) filters.

**CO<sub>2</sub> Reflective Mirrors** – laser quality mirrors from *Laser Beam Products* with extremely high damage threshold gold coatings, ideally suited for CO<sub>2</sub> and other high power laser applications; High quality optics for CO<sub>2</sub> and other high power laser applications.

**KD\*P, ADP & Lithium Niobate Optics** – Electro optical components made of KD\*P, ADP & lithium niobate from *Leysop Ltd.*

**Beam Shapers for Lasers** – Beam Shapers from *Wavelength Technology* change Gaussian profiles to Top Hat shape.

**Beam Expanders for Lasers** – from *Wavelength Technology*.

**Optical Grade Sapphire & Germanium** -- Windows and filters for Infrared applications from *Importec*.

**I<sub>IIa</sub> & CVD Diamonds** – Low nitrogen I<sub>IIa</sub> natural and CVD diamonds with enhanced optical and thermal properties from *Diamond Detectors Ltd.* and *UralAlmazinvest*.

**Laser Collimator Optics** – from *IMM Photonics*.

**Low Refractive Index Coatings and Adhesives** – from *MY Photonics Ltd.*

**Biocompatible Coatings** – High temperature biocompatible coatings from *Intex*.



## HIGH VOLTAGE DRIVERS, MODULATORS, AND PULSE GENERATORS

**High Voltage Modulator Drivers** – Outputs up to 5000V; Step generator with minimum pulse widths of 10 ns; from *Leysop Ltd.* and *SDS*.

**Electro Optical Modulators, Q-switches and Pockels Cells** – Low voltage - High speed devices up to 2 GHz; High speed and miniature Q-switches and Pockels cells; from *Leysop Ltd.*

**Attenuators, Faraday Optical Isolators/Rotators, and Polarizers** – High power laser attenuators, Faraday isolators and Glan-Taylor and Glan-Thompson polarizers from *Leysop Ltd.*



## ELECTRO OPTICAL ACCESSORIES

**Fiber Fault Locators** – fiber testing devices from *IMM Photonics GmbH*.

**SMT Laser Diode Drivers** – from *IMM Photonics*.

**Fiber Combiners and Splitters** – Multiple fibers combined into one from *IMM Photonics*.

**Choppers** – Precision beam choppers from *Oehler & Fischer*.



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