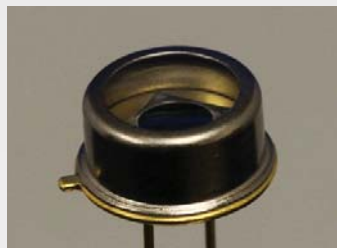


MARKTECH DETECTOR SERIES

Specialty photo detectors (GaP Schottky):

UV up to the visible spectrum (150 nm - 550 nm) Optimized for UV range.



Standard photovoltaic silicon

photodiodes: Have a spectral sensitivity in the 400nm to 1100nm range for applications such as Spectroscopy Equipment and sensing requiring broadband sensitivity with enhancements in the blue/green region.

Silicon Photo Transistors: for use in the 400nm to 1100 range for applications that require very high sensitivity, uniform response and increased reliability such as card readers and optical sensors.

Silicon Avalanche Photodiodes: For high speed & low light level detection in the near infrared and optimized for 800nm or 905nm peak response.

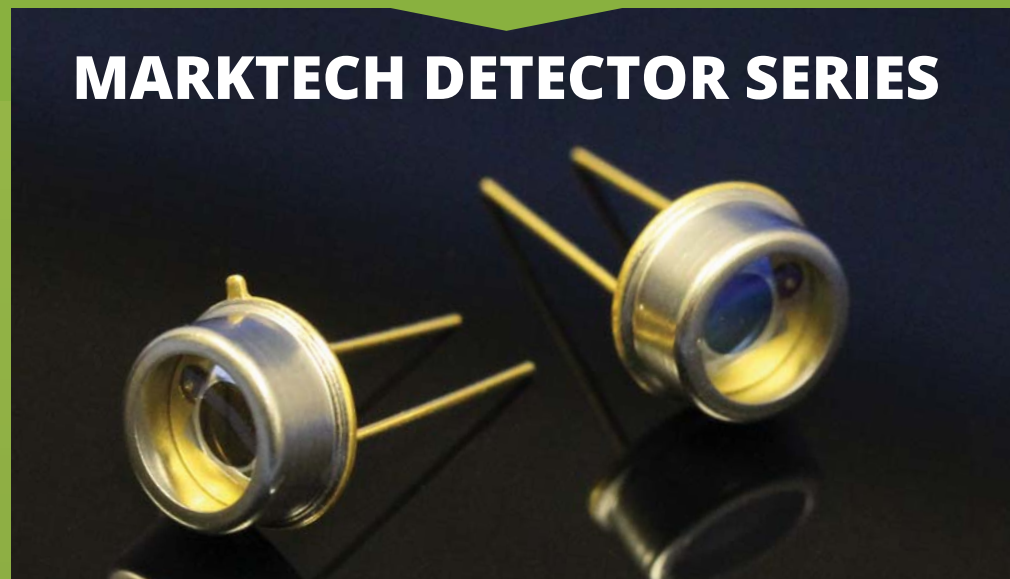
InGaAs PIN Photodiodes: 800nm - 2600nm using InGaAs/InP technology results in a high sensitivity and high reliability product series. It is ideally suited for applications requiring sensing in the SWIR wavelength range such as spectrometers and other types of medical and diagnostic equipment. We offer a variety of active areas as well as options to combine both a SWIR emitter and detector in the same package.



Marktech Optoelectronics Phone (518)956-2980
3 Northway Lane North Fax (518)785-4725
Latham, NY 12110 Email info@marktechopto.com

Visit us at www.marktechopto.com

MARKTECH DETECTOR SERIES



Marktech offers a large assortment of photodetectors operating from 250nm-2.6um, product ranging from Si and GaP photodiodes to InGaAs PIN Photodiodes.

OPTOELECTRONICS. CUSTOMIZED.

GaP/Schottky, InGaAs PIN PD

| Product | Wavelength (nm) | Spectral Range | Type | Package |
|---------------|-----------------|----------------|-----------------------|-----------------------------|
| MTPD3650D-1.4 | 365 | 245-400 | GaP Photodiode UV | TO-46 Metal can Flat |
| MTPD1500D-2.5 | 440 | 150-550 | GaP Photodiode UV | TO-39 Metal can Flat |
| MTPD4400D-1.4 | 440 | 190-570 | GaP Photodiode UV | TO-46 Metal can Flat |
| MTD5052N | 525 | 410-580 | GaP Photodiode UV | TO-18 Metal Can Domed |
| MTD5052W | 525 | 410-580 | GaP Photodiode UV | TO-18 Metal Can Flat |
| MTPD1346D-010 | 1300 | 800-1750 | InGaAs PIN Photodiode | TO-46 Metal Can Flat -2 pin |
| MTPD1346D-030 | 1300 | 800-1750 | InGaAs PIN Photodiode | TO-46 Metal Can Flat -2 pin |
| MTPD1346D-050 | 1300 | 800-1750 | InGaAs PIN Photodiode | TO-46 Metal Can Flat -2 pin |
| MTPD1346D-080 | 1300 | 800-1750 | InGaAs PIN Photodiode | TO-46 Metal Can Flat -2 pin |
| MTPD1346D-100 | 1300 | 800-1750 | InGaAs PIN Photodiode | TO-46 Metal Can Flat -2 pin |
| MTPD1346D-150 | 1300 | 800-1750 | InGaAs PIN Photodiode | TO-46 Metal Can Flat -2 pin |
| MTPD2246-100 | 1950 | 900 -2100 | InGaAs PIN Photodiode | TO-46 Metal Can Flat -2 pin |
| MTPD2646-100 | 2300 | 900 -2600 | InGaAsPIN Photodiode | TO-46 Metal Can Flat -2 pin |

Available online at



In addition to our standard products we offer Marktech's detector die packaged in a variety of packages from metal can TO18 to 1 inch diameter, surface mount and standard 3mm and 5mm plastic packages. We can also incorporate the detector die in custom designed Hybrids, with integral Optical filters and custom module assemblies.

See the full list at:
www.marktechopto.com/detectors

Silicon Photodiodes, Transistors and Si APD

| Product | Wavelength (nm) | Spectral Range | Type | Package |
|--------------|-----------------|----------------|----------------------|-------------------------|
| MTD5010N | 850 | 400-1100 | Si Photodiode | TO-18 Metal Can Domed |
| MTD5010W | 850 | 400-1100 | Si Photodiode | TO-18 Metal Can Flat |
| MTD6100PT | 880 | 400-1100 | Si Photodiode | Pigtail Metal Can Domed |
| MTD3910N | 900 | 400-1100 | Si Photodiode | TO-18 Metal Can Flat |
| MTD3910PM | 900 | 400-1100 | Si Photodiode | TO-18 Low Profile |
| MTD1200M3B | 925 | 400-1100 | Si Photodiode | 3mm Ceramic |
| MTD3910D3 | 940 | 400-1100 | Si Photodiode | 3mm Plastic Flat |
| MT03-001 | 940 | 350-1100 | Si Photodiode | TO-5 Can w/ 3.73mm Cap |
| MT03-002 | 940 | 350-1100 | Si Photodiode | TO-5 Can w/ 3.73mm Cap |
| MT03-003 | 940 | 350-1100 | Si Photodiode | TO-5 Can w/ 3.73mm Cap |
| MT03-004 | 940 | 350-1100 | Quad Si Photodiode | TO-5 Can w/ 2.65mm Cap |
| MTD8600N-T | 880 | 400-1100 | Si Photo Transistor | TO-18 Metal Can Domed |
| MTD8600T4-T | 880 | 400-1100 | Si Photo Transistor | TO-18 Metal Can Flat |
| MTD8000M3B-T | 880 | 400-1100 | Si Photo Transistor | 3mm Ceramic |
| MTAPD-06-001 | 800 | 400-1100 | Avalanche Photodiode | TO-46 Metal can Flat |
| MTAPD-06-005 | 800 | 400-1100 | Avalanche Photodiode | TO-46 Metal can Flat |
| MTAPD-06-009 | 905 | 400-1100 | Avalanche Photodiode | TO-46 Metal can Flat |
| MTAPD-06-013 | 905 | 400-1100 | Avalanche Photodiode | TO-46 Metal can Flat |
| MTAPD-07-001 | 800 | 400-1100 | Avalanche Photodiode | LLC3 SMD |
| MTAPD-07-007 | 800 | 400-1100 | Avalanche Photodiode | LCC6 SMD |
| MTAPD-07-009 | 905 | 400-1100 | Avalanche Photodiode | LLC3 SMD |
| MTAPD-07-015 | 905 | 400-1100 | Avalanche Photodiode | LCC6 SMD |