



MARKTECH OPTOELECTRONICS

Marktech specializes in custom optoelectronic solutions focusing on both emission & detection technologies to maximizing your products performance. We work with companies both large and small to deliver engineering services, and a large variety of both custom and standard components, assemblies and materials ranging from UV (280nm) to SWIR (2600 nm) and everything in between.

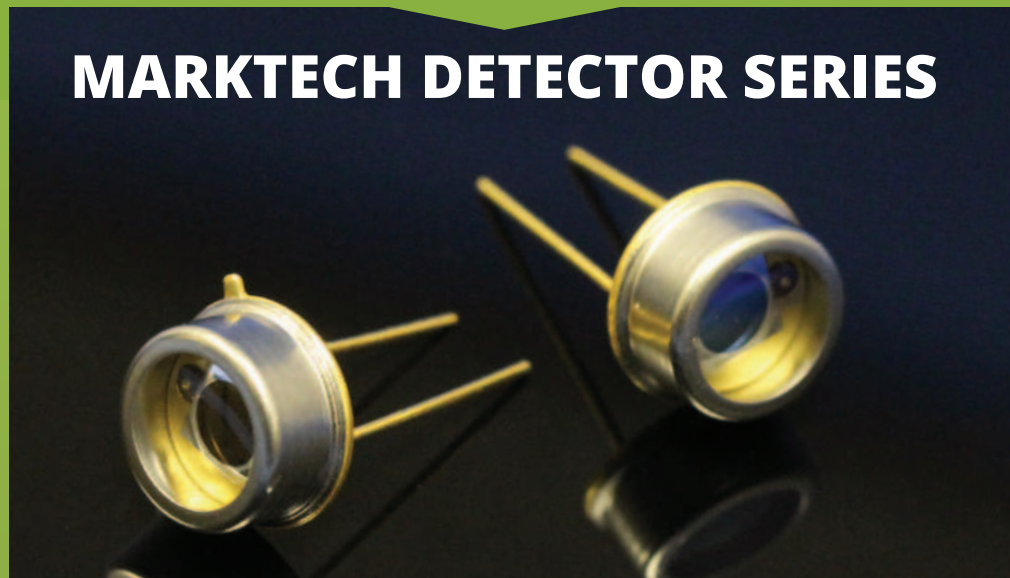


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MARKTECH DETECTOR SERIES



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

OPTOELECTRONICS. CUSTOMIZED.

MARKTECH DETECTOR SERIES

GaP/Schottky, InGaAs PIN PD

Product	Wavelength (nm)	Spectral Range	Active Area	Type	Package
MTPD3650D-1.4	365	245-400	1.2mm	Gap Photodiode UV	TO-46 Metal Can Flat Lens - (2 pin)
MTPD1500D-2.5	440	150-550	4.8mm	Gap Photodiode UV	TO-39 Metal Can Flat Lens - (2 pin)
MTPD4400D-1.4	440	190-570	1.2mm	Gap Photodiode UV	TO-46 Metal Can Flat Lens - (2 pin)
MTD5052N	525	410-580	0.74mm	Gap Photodiode UV	TO-18 Metal Can Domed Lens - (2 pin)
MTD5052W	525	410-580	0.74mm	Gap Photodiode UV	TO-18 Metal Can Flat Lens - (2 pin)
MTD6013D3-PD	1300	750-1750	0.20mm ²	InGaAs PIN Photodiode	3mm Plastic Flat Lens (2 pin)
MTPD1346D-010	1300	600-1750	0.1mm	InGaAs PIN Photodiode	TO-46 Metal Can Flat Lens - (2 pin)
MTPD1346D-030	1300	600-1750	0.3mm	InGaAs PIN Photodiode	TO-46 Metal Can Flat Lens - (2 pin)
MTPD1346D-050	1300	600-1750	0.5mm	InGaAs PIN Photodiode	TO-46 Metal Can Flat Lens - (2 pin)
MTPD1346D-080	1300	600-1750	0.8mm	InGaAs PIN Photodiode	TO-46 Metal Can Flat Lens - (2 pin)
MTPD1346D-100	1300	600-1750	1.0mm	InGaAs PIN Photodiode	TO-46 Metal Can Flat Lens - (2 pin)
MTPD1346D-150	1300	600-1750	1.5mm	InGaAs PIN Photodiode	TO-46 Metal Can Flat Lens - (2 pin)
MTPD1346D-200	1300	600-1750	2.0mm	InGaAs PIN Photodiode	TO-46 Metal Can Flat Lens - (2 pin)
MTPD1346D-300	1300	600-1750	3.0mm	InGaAs PIN Photodiode	TO-46 Metal Can Flat Lens - (2 pin)
MTPD2200-100	1950	900-2100	1.0mm	InGaAs PIN Photodiode	TO-46 Metal Can Flat Lens - (3 pin)
MTPD2600-100	2300	900-2600	1.0mm	InGaAs PIN Photodiode	TO-46 Metal Can Flat Lens - (3 pin)

Silicon Photodiodes, Transistors and Si APD

Product	Wavelength (nm)	Spectral Range	Active Area	Type	Package
MTAPD-06-001	800	400-1100	(230um) .04 mm2	APD Vbr = 120-160V	TO-46 Metal Can Flat Lens (2 pin)
MTAPD-06-002	800	400-1100	(230um) .04 mm2	APD Vbr = 160-200V	TO-46 Metal Can Flat Lens (2 pin)
MTAPD-06-003	800	400-1100	(230um) .04 mm2	APD Vbr = 120-160V	TO-46 Metal Can Flat Lens (3 pin)
MTAPD-06-004	800	400-1100	(230um) .04 mm2	APD Vbr = 160-200V	TO-46 Metal Can Flat Lens (3 pin)
MTAPD-06-005	800	400-1100	(500um) .2 mm2	APD Vbr = 120-160V	TO-46 Metal Can Flat Lens (2 pin)
MTAPD-06-006	800	400-1100	(500um) .2 mm2	APD Vbr = 160-200V	TO-46 Metal Can Flat Lens (2 pin)
MTAPD-06-007	800	400-1100	(500um) .2 mm2	APD Vbr = 120-160V	TO-46 Metal Can Flat Lens (3 pin)
MTAPD-06-008	800	400-1100	(500um) .2 mm2	APD Vbr = 160-200V	TO-46 Metal Can Flat Lens (3 pin)
MTAPD-06-009	905	400-1100	(230um) .04 mm2	APD Vbr = 120-160V	TO-46 Metal Can Flat Lens (2 pin)
MTAPD-06-010	905	400-1100	(230um) .04 mm2	APD Vbr = 160-200V	TO-46 Metal Can Flat Lens (2 pin)
MTAPD-06-011	905	400-1100	(230um) .04 mm2	APD Vbr = 120-160V	TO-46 Metal Can Flat Lens (3 pin)
MTAPD-06-012	905	400-1100	(230um) .04 mm2	APD Vbr = 160-200V	TO-46 Metal Can Flat Lens (3 pin)
MTAPD-06-013	905	400-1100	(500um) .2 mm2	APD Vbr = 120-160V	TO-46 Metal Can (2 pin)
MTAPD-06-014	905	400-1100	(500um) .2 mm2	APD Vbr = 160-200V	TO-46 Metal Can (2 pin)
MTAPD-06-015	905	400-1100	(500um) .2 mm2	APD Vbr = 120-160V	TO-46 Metal Can (3 pin)
MTAPD-06-016	905	400-1100	(500um) .2 mm2	APD Vbr = 160-200V	TO-46 Metal Can (3 pin)
MTAPD-06-016-905F	905	800-1100	(500um) .2 mm2	APD Vbr = 160-200V	TO-46 Metal Can (3 pin) w/ Filter
MTAPD-07-001	800	400-1100	(230um) .04 mm2	APD Vbr = 120-160V	LCC3 SMD Flat Lens (3 pin)
MTAPD-07-003	800	400-1100	(230um) .04 mm2	APD Vbr = 120-160V	LCC6 SMD Flat Lens (6 pin)
MTAPD-07-005	800	400-1100	(500um) .2 mm2	APD Vbr = 120-160V	LCC3 SMD Flat Lens (3 pin)
MTAPD-07-007	800	400-1100	(500um) .2 mm2	APD Vbr = 120-160V	LCC6 SMD Flat Lens (6 pin)
MTAPD-07-009	905	400-1100	(230um) .04 mm2	APD Vbr = 120-160V	LCC3 SMD Flat Lens (3 pin)
MTAPD-07-010	905	400-1100	(230um) .04 mm2	APD Vbr = 160-200V	LCC3 SMD Flat Lens (3 pin)
MTAPD-07-011	905	400-1100	(230um) .04 mm2	APD Vbr = 120-160V	LCC6 SMD Flat Lens (6 pin)
MTAPD-07-012	905	400-1100	(230um) .04 mm2	APD Vbr = 160-200V	LCC6 SMD Flat Lens (6 pin)
MTAPD-07-012-905F	905	800-1100	(230um) .04 mm2	APD Vbr = 160-200V	LCC6 SMD Flat Lens (6 pin) w/ Fillter

Silicon Photodiodes, Transistors and Si APD

Product	Wavelength (nm)	Spectral Range	Active Area	Type	Package
MTAPD-07-013	905	400-1100	(500um) .2 mm2	APD Vbr = 120-160V	LCC3 SMD Flat Lens (3 pin)
MTAPD-07-014	905	400-1100	(500um) .2 mm2	APD Vbr = 160-200V	LCC3 SMD Flat Lens (3 pin)
MTAPD-07-014-905F	905	800-1000	(500um) .2 mm2	APD Vbr = 160-200V	LCC3 SMD Flat Lens (3 pin) w/Filter
MTAPD-07-015	905	400-1100	(500um) .2 mm2	APD Vbr = 120-160V	LCC6 SMD Flat Lens (6 pin)
MTAPD-07-015-905F	905	800-1000	(500um) .2 mm2	APD Vbr = 120-160V	LCC6 SMD Flat Lens (6 pin) w/Filter
MTAPD-07-016	905	400-1100	(500um) .2 mm2	APD Vbr = 160-200V	LCC6 SMD Flat Lens (6 pin)
MTAPD-07-016-905F	905	800-1000	(500um) .2 mm2	APD Vbr = 160-200V	LCC6 SMD Flat Lens (6 pin) w/Filter
MTD8000M3B-T	880	400-1100	0.61mm	Si Photo Transistor	3mm Ceramic Domed Lens (2 pin)
MTD8000N4-T	880	400-1100	0.61mm	Si Photo Transistor	TO-18 Metal Can Domed Lens (3 pin)
MTD8600N-T	880	400-1100	0.61mm	Si Photo Transistor	TO-18 Metal Can Flat Domed (2 pin)
MTD8600T-T	880	400-1100	0.65mm	Si Photo Transistor	TO-18 Metal Can Flat Lens (2 pin)
MTD8600T4-T	880	400-1100	0.65mm	Si Photo Transistor	TO-18 Metal Can Flat Lens (3 pin)
MTD3910D3	900	400-1100	1.21mm	Si Photodiode	3mm Plastic Flat Lens (2 pin)
MTD3910N	900	400-1100	1.21mm	Si Photodiode	TO-18 Metal Can Domed (2 pin)
MTD3910PM	900	400-1100	1.21mm	Si Photodiode	TO-18 Low Profile Metal Can Domed (2 pin)
MTD1114M3B	925	400-1100	1.40mm	Si Photodiode	3mm Ceramic Domed Lens (2 pin)
MTD1200M3B	925	400-1100	0.88mm	Si Photodiode	3mm Ceramic Domed Lens (2 pin)
MTD5010N	850	400-1100	1.0mm	Si Photodiode	TO-18 Metal Can Domed Lens (2 pin)
MTD5010W	850	400-1100	1.0mm	Si Photodiode	TO-18 Metal Can Flat Lens (2 pin)
MTD6000PT-T	880	400-1100	0.19mm	Si Photodiode	Pigtail Metal Can Domed Lens (1 pin)
MTD6100PT	880	400-1100	0.19mm	Si Photodiode	Pigtail Metal Can Domed Lens (1 pin)
MT03-001	950	300-1100	5mm ²	Si Photodiode	TO-5 Can w/ 2.52mm Cap (2 pin)
MT03-002	950	350-1100	10mm ²	Si Photodiode	TO-5 Can w/ 3.57mm Cap (2 pin)
MT03-003	940	254-1100	15mm ²	Si Photodiode	TO-5 Can w/ 3.73mm Cap (2 pin)
MT03-004	940	350-1100	5.8mm ²	Quad Si Photodiode	TO-5 Can w/ 2.65mm Cap (4 pin)
MT03-005	950	254-1100	1.2mm ²	Si Photodiode	TO-46 Metal Can Flat Lens (2 pin)
MT03-018	950	300-1100	7.5mm ²	Si Photodiode	TO-5 Metal Can Flat Lens (2 pin)
MT03-021	950	300-1100	1.2mm ²	Si Photodiode	Surface Mount
MT03-022	950	300-1100	7.5mm ²	Si Photodiode	TO-5 Metal Can Flat Lens (3 pin) ISO
MT03-023	950	300-1100	1.2mm ²	Si Photodiode	TO-46 Metal Can Flat Lens (3 pin) ISO
MT03-026	940	254-1100	5mm ²	Si Photodiode	TO-5 Metal Can Flat Lens (3 pin) ISO
MT03-027	950	350-1100	10mm ²	Si Photodiode	TO-5 Metal Can Flat Lens (3 pin) ISO
MT03-028	940	254-1100	15mm ²	Si Photodiode	TO-5 Metal Can Flat Lens (3 pin)ISO
MT03-029	940	254-1100	3.6mm ²	Si Photodiode	Surface Mount
MT03-031	940	254-1100	3.6mm ²	Si Photodiode	Surface Mount
MT03-032	940	254-1100	3.6mm ²	Si Photodiode	TO-46 Metal Can Flat Lens (3 pin)
MT03-036	950	300-1100	7.5mm ²	Si Photodiode	TO-5 Metal Can Flat Lens (2 pin)
MT03-046	940	254-1100	3.6mm ²	Si Photodiode	TO-46 Metal Can TL Lens (2 pin)
MT03-052	950	300-1100	0.12mm ²	Si Photodiode	Surface Mount
MT03-041	950 & 1650	300-1700	0.12mm ² / 1.0 mm ²	Si Photodiode/InGaAs	TO-5 Metal Can Flat Lens (3 pin)
MT03-047	950 & 1650	300-1700	0.12mm ² / 1.0 mm ²	Si Photodiode/InGaAs	Surface Mount