

# ADC'S CUSTOM MULTI ELEMENT SILICON PHOTODIODES

Specifications subject to change without notice for product revisions and improvements.

## ADC's Custom Multi Element Silicon Photodiodes

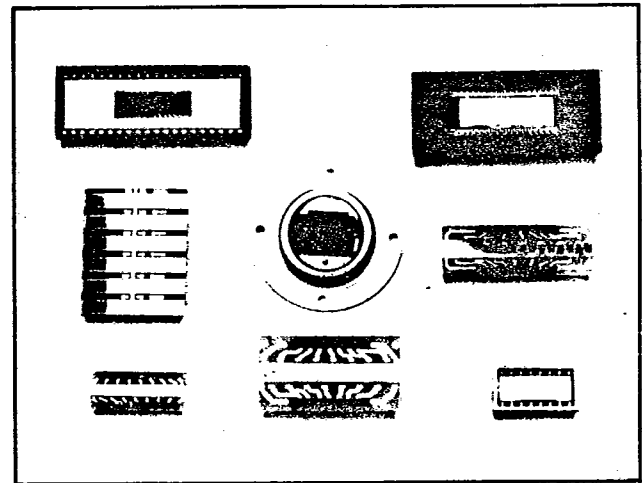
Advanced Detector Corporation has been involved in the design and manufacture of custom silicon photodiodes for the past 20 years. Our capabilities include full packaging and assembly facilities as well as our ability to provide a photodetector virtually any size, shape and electrical specification. The following product offerings are available as representative samples of our custom capability.

### Multi Element Arrays

Silicon multielement linear and matrix arrays are available with excellent blue response and element matching. These devices are offered in chip form as well as mounted in a dual in line package or ceramic substrate housing.

### Military Applications

Advanced Detector Corporation has extensive experience in supplying detectors for military and aerospace applications. The ADC Quality Assurance Program has been developed to meet the requirements of MIL Q-9858A. ADC enjoys a reputation in the military/aerospace community as a high quality and reliable supplier. A copy of ASEC 91-6064 Quality Assurance Program Document which delineates the quality assurance policies implemented on all products to assure compliance with specifications is available upon request.



### Applications

- Construction Laser Alignment Systems
- Facsimile Instrumentation
- Photocopiers
- Optical Encoders
- Machine Tool Alignment
- X-ray Imaging

## TYPICAL MULTI ELEMENT ARRAY ELECTRICAL SPECIFICATIONS

Part Number	Chip Size cm	Active Area cm <sup>2</sup>	No. of Elements	Pitch (Center to Center) cm	Element to Element Gap cm	Typical R <sub>SH</sub> Mohm	Typical Capacitance pf	Dark Current @ -10 mV pA
ADC 1000	1.26 x .24	.0259	8	.159	.025	100	.200	100
ADC 1050	2.52 x .24	.0259	16	.159	.025	100	.200	100
ADC 2000	2.53 x .45	.024	16	.158	.038	50	.100	200
ADC 2050	3.77 x .424	.047	16	.235	.039	150	.100	33
ADC 3000	4.02 x .427	.052	16	.254	.058	200	.125	50
ADC 3050	5.04 x .24	.0259	32	.159	.025	100	.200	100
ADC 4000	2.15 x .762	.034	32	.063	.008	1000	.500	10
ADC 4050	2.21 x 1.14	.021	3 x 5	.241	.038	2	.200	500