

Soft X-Ray, Deep UV Enhanced Series

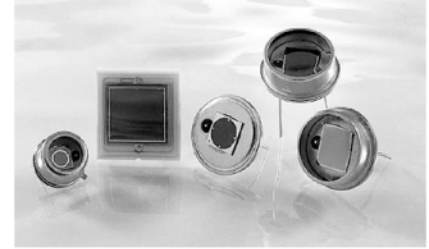
Inversion Layer Silicon Photodiodes

Features

- Direct Detection
- No Bias Needed
- High Quantum Efficiency, Low Noise
- High Vacuum and cryogenically compatible
- 0.070 nm to 1100 nm Wavelength Range

Applications

- Electron Detection
- Medical Instrumentation
- Dosimetry
- Radiation Monitoring
- X-ray Spectroscopy
- Charged Particle Detection



Model Number	Active Area		Capacitance (nF)		Shunt Resistance (MΩ)		NEP (W/√Hz)		Temp.* Range (°C)		Package Style
	Area (mm ²)	Dimensions (mm)	0 V		-10mV		0V 200 nm		Operating	Storage	
			typ.	max.	min.	typ.	typ.	max.			

'XUV' Series Metal Package

XUV-005	5	2.57 ∅	0.3	0.5	200	2000	2.9 e-15	9.1 e-15	-20 ~ +60	-20 ~ +80	TO-5
XUV-020	20	5.00 ∅	1.2	1.6	50	500	5.8 e-15	1.8 e-14			TO-8
XUV-035	35	6.78x5.59	2	3	30	300	7.4 e-15	2.3 e-14			BNC
XUV-100	100	11.33 ∅	6	8	10	100	1.3 e-14	4.1 e-14			

'XUV' Series Ceramic Package

XUV-50C	50	8.02 ∅	2	3	20	200	9.1 e-15	2.9 e-14	-20 ~ +60	-20 ~ +80	Ceramic
XUV-100C	100	10.00 sq	6	8	10	100	1.3 e-14	4.1 e-14			

All XUV devices are supplied with removable windows.

* Non-Condensing temperature and Storage Range, Non-Condensing Environment.

Multi-Channel X-Ray Detector Series

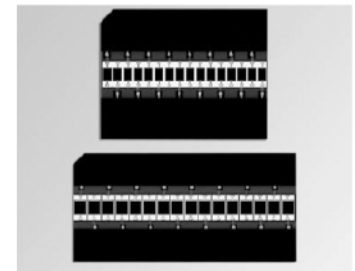
Scintillator Compatible Photodiode Arrays

Features

- Scintillator Platform
- 5 Volt Bias
- Channel Spacing Variety

Applications

- Position Sensors
- Multi-channel Gamma counting
- X-ray Security Systems



Model Number	Number of Elements	Active Area		Pitch (mm)	Responsivity (A/W)		Dark Current (pA)	Terminal Capacitance (pF)	Rise Time (μs)	Reverse Bias (V)	NEP (W/√Hz)		Temp. Range (°C)	
		Area (mm ²)	Dimensions (mm)		540 nm	930 nm					-10mV 930 nm	Operating	Storage	
					typ.	typ.								typ.

Photoconductive Arrays

A200C	16	2.35	2.0x1.18	1.57	0.31	0.59	5	28	0.1	5	5.30 e-15	-10 ~ +60	-20 ~ +70
A500C	16	5.28	2.54x2.08	2.54			10	70	0.1		7.50 e-15		