

MXP1020-PS/Q
MXP1022-PS/Q
MXP1023-PS/Q
MXP1001-PS/D
MXP1004-PS/D

Features

- Low Cross Talk
- Excellent Stability
- Low Noise
- Ultra High Positioning Accuracy
- Breakdown Voltage @ 10 μ A min.; 50V
- Uniformity of Response: 1mm SPOT \pm Percent @ 2

**Position Sensing
 Photo Detectors
 400 to 1100 nm**

Applications

- Machine Tool Alignment
- Angle Measurement
- Remote Optical Alignment
- Guidance Systems
- Targeting

Electrical Specifications @ 25°C \pm 2°C

Model # /Q = Quad /D = Dual	Each Active Area		GAP in Inches	R 850nm A/W	Capacitance 1 kHz/pF			NEP 10V/ 850nm W/ \sqrt Hz	Dark Current nA		Rise Time		R _{SH} M Ω
	mm ²	Dim. Inches			0V	-10V	-25V		-10V	-25V	-10V	-25V	
MXP1020 PS/Q	7.11	0.105 X 0.105	0.005	0.5	120	15	10	5X10 ⁻¹³	20	50	15	10	50
MXP1022 PS/Q	0.26	0.020 X 0.020	0.0005	0.5	10	3	2	5X10 ⁻¹⁴	2	5	15	10	1000
MXP1023 PS/Q	1.61	0.050 X 0.050	0.005	0.5	30	5	2	8X10 ⁻¹⁴	5	10	15	10	500
MXP1001 PS/D	3.22	0.100 X 0.050	0.005	0.5	60	10	5	2X10 ⁻¹³	10	20	15	10	100
MXP1004 PS/D	0.70	0.047 X 0.023	0.0008	0.5	15	10	5	8X10 ⁻¹⁴	5	10	15	10	500

MXP1001 Dual Cell (TO-18)

