

# PACIFIC SILICON SENSOR Optical Sensors



Incorporated

For quantities of 10 and up, call for quote.

## UV/BLUE ENHANCED SILICON PHOTODIODES

MOUSER STOCK NO.	Pacific Silicon Sensor Part No.	Package	Area	Responsivity A/W		Shunt Resistance M $\Omega$ @ 10mV	Capacitance pF @ 5V	Rise Time $\mu$ s @ 410nm, 5V	Price Each	
				@200nm	@340nm				1	5
718-PC1-2-TO52	PC1-2-TO52	TO52	1.13mm Dia	.10	.17	2000	30	0.1	20.20	18.69
718-PC2-2-TO52	PC2-2-TO52	TO52	1.6mm Dia	.10	.17	2000	60	0.1	25.60	23.68
718-PC5-2-TO5	PC5-2-TO5	TO5	2.52mm Dia	.10	.17	1000	100	0.2	25.00	23.13
718-PC10-2-TO5	PC10-2-TO5	TO5	3.57mm Dia	.10	.17	500	160	0.3	31.00	28.68
718-PS20-2-TO8	PS20-2-TO8	TO8	5.05mm Dia	.10	.17	100	280	0.6	49.59	44.37
718-PR33-2-TO8	PR33-2-TO8	TO8	5.5 x 6.1mm	.10	.17	100	450	0.6	54.63	48.88
718-PS1002CER2PINWQW	PS100-2-CER-2PINW/Qwin	Cer Pin	10 x 10mm	.10	.17	200	1100	2.0	131.39	117.56

## HIGH SPEED EPITAXIAL P-I-N SILICON PHOTODIODES

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Pacific Silicon Sensor Part No.	Package	Area	Responsivity A/W	Shunt Resistance M $\Omega$ 10mV	Capacitance pF		Rise Time ns @ 850nm, 20V	Price Each	
						@ 0V	@ 20V		1	5
718-PS0.25-5-TO52-S1	PS0.25-5-TO52-S1	TO52	.50 x .50mm	.50 @ 850nm	500	6	1.80	0.4	16.80	15.54
718-PS0.9-5-TO52-S1	PS0.9-5-TO52-S1	TO52	.95 x .95mm	.50 @ 850nm	500	15	4	1.5	16.80	15.54
718-PS3.6-5-TO5	PS3.6-5-TO5	TO5	1.90 x 1.90mm	.50 @ 850nm	200	90	20	2.5	20.20	18.69
718-PS11.9-5-TO5	PS11.9-5-TO5	TO5	3.45 x 3.45mm	.50 @ 850nm	200	180	40	3.0	33.60	31.08

## LOW DARK CURRENT SILICON PHOTODIODES

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Pacific Silicon Sensor Part No.	Package	Area	Responsivity A/W	Dark Current nA @ 12V	Capacitance pF @ 12V	Rise Time ns @ 12V	Price Each		
								1	5	
718-PC1-6-TO52-S1	PC1-6-TO52-S1	TO52	1.13mm Dia	.64 @ 900nm	>2000	15	3@10V	10@10V	14.60	13.51
718-PC2-6-TO52-S1	PC2-6-TO52-S1	TO52	1.6mm Dia	.64 @ 900nm	>2000	30	5@10V	12@10V	16.80	15.54
718-PC5-6-TO5	PC5-6-TO5	TO5	2.52mm Dia	.64 @ 900nm	>2000	65	10@10V	13@10V	19.00	17.58
718-PC20-6-TO8	PC20-6-TO8	TO8	5.05mm Dia	.64 @ 900nm	750	220	35@10V	25@10V	48.60	44.96
718-PC50-6-TO8	PC50-6-TO8	TO52	7.98mm Dia	.64 @ 900nm	300	480	100@10V	30@10V	53.49	47.86
718-PS100-6-CER2PIN	PS100-6-CER2PIN	Cer Pin	10 x 10mm	.64 @ 900nm	200	900	160@10V	50@10V	59.57	53.30
718-PS100-6-SM	PS100-6-SM	SMD	10 x 10mm	.64 @ 900nm	200	900	160@10V	50@10V	59.57	53.30
718-PR33-6-TO8	PR33-6-TO8	TO8	5.5 X 6.1mm	.64 @ 900nm	600	350	70@10V	30@10V	48.64	43.52

## LOW CAPACITANCE SILICON PHOTODIODES

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Pacific Silicon Sensor Part No.	Package	Area	Responsivity A/W		Dark Current nA @ 12V	Capacitance pF @ 12V	Rise Time ns @ 12V	Price Each	
				950nm	1064nm				1	5
718-PC1-7-TO52-S1	PC1-7-TO52-S1	TO52	1.13mm Dia	.65	.20	.05	2	30	14.60	13.51
718-PC5-7-TO5	PC5-7-TO5	TO5	2.52mm Dia	.65	.20	.05	5	45	19.00	17.58
718-PC10-7-TO5	PC10-7-TO5	TO5	3.57mm Dia	.65	.20	.05	10	50	23.50	21.74
718-PC20-7-SM	PC20-7-SM	SMD	5.05mm Dia	.65	.20	.05	20	50	35.80	33.12
718-PC20-7-TO8	PC20-7-TO8	TO8	5.05mm Dia	.65	.20	.05	20	50	42.60	39.41
718-PC50-7-TO8	PC50-7-TO8	TO8	7.98mm Dia	.65	.20	.05	35	55	49.30	45.60
718-PR80-7-SM	PR80-7-SM	SMD	8 x 10mm	.65	.20	.04	65	50	47.00	43.48
718-PC100-7-SM	PC100-7-SM	SMD	100mm Dia	.65	.20	5.0	80	55	52.16	46.67
718-PS100-7-CER-PIN	PS100-7-CER-PIN	Cer Pin	10 x 10mm	.65	.20	5.0	80	50	52.16	46.67
718-PS100-7SM	PS100-7SM	SMD	10 x 10mm	.65	.20	5.0	80	50	52.16	46.67
718-PS0.25-7-TO52	PS0.25-7-TO52	TO52	.50 x .50mm	.65	.20	.10	1	30	12.30	11.38

## QUADRANT SILICON PHOTODIODES

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Pacific Silicon Sensor Part No.	Package	Area	Responsivity A/W @ 633nm	Breakdown Voltage	Dark Current nA @ 10Vr	Capacitance pF @ 10Vr	Rise Time ns @ 10V	Price Each		
									1	5	
718-QP100-6-SM	QP100-6-SM	SMD	11.2 Dia	.40	15	5.0	50	50	133.76	119.68	
718-QP5.8-6-TO5	QP5.8-6-TO5	TO5	1.2 x 1.2mm	.40	15	0.4	2.7	20	18.40	17.02	
718-QP50-6-18U-SD2	QP50-6-18U-SD2	SMD	7.98 Dia	.40	15	2.0	25	40	308.43	287.30	
718-QP50-6-18U-SM	QP50-6-18U-SM	SMD	7.98 Dia	.40	15	2.0	25	40	65.55	58.65	
718-QP50-6-18U-TO8	QP50-6-18U-TO8	TO8	7.98 Dia	.40	15	2.0	25	40	69.16	61.88	
718-QP50-6-SM	QP50-6-SM	SMD	7.98 Dia	.40	15	2.0	25	40	65.55	58.65	
718-QP50-6-TO8	QP50-6-TO8	TO8	7.80 Dia	.40	15	2.0	25	40	69.16	61.88	
718-QP50-6-SD2	QP50-6-SD2		50mm2 quadrant photodiode array with current-to-voltage amplifiers							308.43	287.30

## HIGH SPEED/HIGH GAIN AVALANCHE PHOTODIODES

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Pacific Silicon Sensor Part No.	Package	Active Area Dia (mm)	Dark Current @ M = 100 Typ nA	Capacitance Typ pF	Rise Time ns	Breakdown Voltage	Optimum Gain	Price Each	
									1	5
718-AD230-8-S1	AD230-8-S1	TO52	0.23	.30	1.20	.18	120-190	50-60	80.94	72.42
718-AD800-8-S1	AD800-8-S1	TO52	0.80	2	5	.70	120-200	50-60	110.58	98.94
718-AD1100-8-TO52-S1	AD1100-8-TO52-S1	TO52	0.23	4	8	1	120-200	40-60	145.73	130.39
718-AD230-2.3G-TO5	AD230-2.3G-TO5	TO5	0.23mm high frequency optical data receiver comprising a photodiode & a transimpedance amplifier							
718-APD50-AD2500-8	APD50-AD2500-8	TO52	A 5.0mm, 25MHz Si avalanche photodiode and low noise preamplifier module							
718-APD50AD5008TO52S	APD50-AD500-8-TO52S1	TO5	A 2.5mm, 15MHz Si avalanche photodiode and low noise preamplifier module							

## NEAR INFRA-RED ENHANCED AVALANCHE PHOTODIODES

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Pacific Silicon Sensor Part No.	Package	Area	Responsivity A/W	Dark Current nA @ 10Vr	Capacitance pF @ 10Vr	Rise Time ns	Breakdown Voltage	Optimum Gain	Price Each	
										1	5
718-AD003B-9-TO5I	AD003B-9-TO5I	TO5	.33	2	2	1	120-300	50-60	93.10	83.30	
718-AD230-9-400M-TO5	AD230-9-400M-TO5	TO5	.23	.60	.80	.50	120-300	50-60	176.70	158.10	
718-AD230-9-TO52-S1	AD230-9-TO52-S1	TO52	.23	.60	.80	.50	120-300	50-60	86.26	77.18	
718-AD500-9-400M-TO5	AD500-9-400M-TO5	TO5	.50	.50	1.20	.55	120-300	50-60	176.70	158.10	
718-AD500-9-TO52-S1	AD500-9-TO52-S1	TO52	.50	.50	1.20	.55	120-300	50-60	93.10	83.30	
718-AD1100-9-TO52-S1	AD1100-9-TO52-S1	TO52	1.13	4	3	1.3	120-300	50-60	165.30	147.90	

## POSITION SENSITIVE DETECTORS

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Pacific Silicon Sensor Part No.	Description	Price Each	
			1	5
718-DL16-7PCBA3	DL16-7PCBA3	X, Y duolateral position sensing photodiode with preamplifier circuitry. Active area 4mm x 4mm	511.00	465.00
718-DL100-7-PCBA3	DL100-7-PCBA3	X, Y duolateral position sensing photodiode with preamplifier circuitry. Active area 10mm x 10mm	663.25	601.00
718-OD3.5-6SO8	OD3.5-6SO8	Single Axis Position Sensing detector 3.5x1mm in Plastic Encapsulated SM Package	16.40	15.17
718-DL100-7CER-SMD	DL100-7CER-SMD	Dual Axis Si Position Sensor 10x10mm Active Area in SM Ceramic Pkg	374.13	348.50

## WAVELENGTH SELECTIVE DETECTORS

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Pacific Silicon Sensor Part No.	Description	Price Each
718-WS7.56-TO5	WS7.56-TO5	2.75x2.75mm Active Area Wavelength Sensor with two p-n junctions in TO5 package	48.00 44.40