

# PACIFIC SILICON SENSOR Optical Sensors



Opto Components

Pacific Silicon Sensor

## UV/BLUE ENHANCED SILICON PHOTODIODES

Incorporated  
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Pacific Silicon Sensor Part No.	Package	Area	Responsivity A/W		Shunt Resistance MΩ @ 10mV	Capacitance pF @ 5V	Rise Time μs @ 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	22.40	20.72
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-PC50-2-TO8	PC50-2-TO8	TO8	7.98mm	.10	.17	70	650	1.0	93.02	83.23
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 MQ10mV	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	Shunt Resistance	Capacitance	Rise Time	Price Each		
								ns @ 10V	ns @ 10V	1
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-AD100-8-S1	AD100-8-S1	TO52	0.23	.05	.80	.18	120-190	50-60	80.94	72.42
718-AD230-8-S1	AD230-8-S1	TO52	0.23	.30	1.20	.18	120-190	50-60	80.94	72.42
718-AD500-8-S1	AD500-8-S1	TO52	0.50	.50	2.20	.28	120-190	50-60	87.78	78.54
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-AD1900-8-TO5I	AD1900-8-TO5I	TO5	1.95	15	20	1.50	120-200	40-60	414.09	385.73
718-AD2500-8-TO5I	AD2500-8-TO5I	TO5	2.52	30	40	2	120-200	40-60	456.23	417.12
718-AD230-2.3G-TO5	AD230-2.3G-TO5	TO5	0.23mm high frequency optical data receiver comprising a photodiode & a transimpedance amplifier						186.20	166.60
718-AD500-1.3G-TO5	AD500-1.3G-TO5	TO5	0.5mm high frequency optical data receiver comprising a photodiode & a transimpedance amplifier						167.20	149.60
718-APD50-AD2500-8	APD50-AD2500-8	TO52	A 5.0mm, 25MHz Si avalanche photodiode and low noise preamplifier module						1478.19	1323.75
718-APD50AD5008TO52S	APD50-AD500-8-TO52S1	TO5	A 2.5mm, 15MHz Si avalanche photodiode and low noise preamplifier module						1034.31	926.25

## 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	Dark Current @ M = 100 Typ nA	Capacitance Typ pF	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-AD800-9-TO52-S1	AD800-9-TO52-S1	TO52	.80	2	2	1.3	120-300	50-60	121.41	108.63
718-AD1100-9-TO52-S1	AD1100-9-TO52-S1	TO52	1.13	4	3	1.3	120-300	50-60	165.30	147.90
718-AD1100-9-TO5I	AD1100-9-TO5I	TO5	1.13	4	3	1.3	120-300	50-60	171.00	153.00
718-AD1900-9-TO5I	AD1900-9-TO5I	TO5	1.95	15	8	1.4	120-300	50-60	410.63	382.50
718-AD2500-9-TO5I	AD2500-9-TO5I	TO5	2.52	20	12	1.5	120-300	50-60	452.90	414.08
718-AD3000-9-TO5I	AD3000-9-TO5I	TO5	3	30	18	2	120-300	50-60	479.15	438.08

## 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 X, Y duolateral position sensing photodiode with preamplifier circuitry. Active area 10mm x 10mm Single Axis Position Sensing detector 3.5x1mm in Plastic Encapsulated SM Package Dual Axis Si Position Sensor 10x10mm Active Area in SM Ceramic Pkg Dual Axis Si Position Sensor 4x4mm Active Area in SM Ceramic Pkg	511.00	465.00
718-DL100-7-PCBA3	DL100-7-PCBA3		663.25	601.00
718-OD3.5-6SO8	OD3.5-6SO8		16.40	15.17
718-DL100-7CER-SMD	DL100-7CER-SMD		374.13	348.50
718-DL16-7CER-SMD	DL16-7CER-SMD		239.99	223.55

## 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

