

PACIFIC SILICON SENSOR Optical Sensors



Opto Components

Pacific Silicon Sensor

UV/BLUE ENHANCED SILICON PHOTODIODES

For quantities greater than listed, 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-PC5-2-TO5	PC5-2-TO5	TO5	2.52mm Dia	.10	.17	1000	100	0.2	34.04	31.49
718-PR33-2-TO8	PR33-2-TO8	TO8	5.5 x 6.1mm	.10	.17	100	450	0.6	54.63	48.88

HIGH SPEED EPITAXIAL P-I-N SILICON PHOTODIODES

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MOUSER STOCK NO.	Pacific Silicon Sensor Part No.	Package	Area	Responsivity A/W	Shunt Resistance MΩ10mV	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

LOW DARK CURRENT SILICON PHOTODIODES

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MOUSER STOCK NO.	Pacific Silicon Sensor Part No.	Package	Area	Responsivity A/W	Shunt Resistance MΩ10mV	Capacitance pF		Rise Time ns @ 850nm, 20V	Price Each	
						@ 0V	@ 20V		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-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-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

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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	25.00	23.00
718-PC50-7-TO8	PC50-7-TO8	TO8	7.98mm Dia	.65	.20	.05	35	55	49.30	45.60
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	59.78	57.88
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 greater than listed, 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-SM	QP50-6-18U-SM	SMD	7.98 Dia	.40	15	2.0	25	40	65.55	58.65
718-QP50-6-SM	QP50-6-SM	SMD	7.98 Dia	.40	15	2.0	25	40	65.55	58.65

HIGH SPEED/HIGH GAIN AVALANCHE PHOTODIODES

For quantities greater than listed, 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-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

NEAR INFRA-RED ENHANCED AVALANCHE PHOTODIODES

For quantities greater than listed, 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-AD003B-9-TO5I	AD003B-9-TO5I	TO5	.33	2	2	1	120-300	50-60	93.10	83.30
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 greater than listed, call for quote.

MOUSER STOCK NO.	Pacific Silicon Sensor Part No.	Description	Price Each	
			1	5
718-DL100-7CER-SMD	DL100-7CER-SMD	Dual Axis Si Position Sensor 10 x 10mm Active Area in SM Ceramic Pkg	374.13	348.50