

**Series 6: Low Dark Current (Id) Photodiodes**

In addition to these photodiodes, Pacific Silicon Sensor can design and manufacture other devices, in differing sizes or shape, in original packaging and/or with similar specifications; both single elements as well as arrays. Like all our photodiodes, they can be housed in the most appropriate package for your application.

Whatever your light sensing needs...

Make Pacific Silicon Sensor your solution.

Part Number	Active Area		Responsivity A/W @ 900nm	Shunt Resistance MΩ @ 10mV	Capacitance pF		Id nA @ 10V	Rise Time ns			N.E.P W/Hz ^{1/2}	Pkg
	Size (mm)	mm ²			0V	10V		0V (μs)	20V	80V		
PSS 1-6	Ø1.13	1	0.62	>2000	40□	3□	0.05□	2□	10□	5□	6.5×10^{-15}	(92K)
PSS 2-6	Ø1.60	2	0.62	>2000	50□	5□	0.10□	2□	12□	5□	0.9×10^{-14}	(92K)
PSS 5-6	Ø2.52	5	0.62	>2000	90□	10□	0.25□	2□	13□	6□	1.5×10^{-14}	(92K)
PSS 10-6	Ø3.57	10	0.62	1500	150□	18□	1□	2□	20□	6□	2.9×10^{-14}	(92K)
PSS 20-6	Ø5.05	20	0.62	750	220□	35□	2□	2	25□	6□	4×10^{-14}	(92K)
PSS 50-6	Ø7.98	50	0.62	300	480□	100□	5□	2	30□	7□	6.5×10^{-14}	(92K)
PSS 100-6	Ø11.28	100	0.62	150	900	170	10	2	40	7	1×10^{-13}	(88K)

Test conditions: 22°C: Maximum bias voltage = 200V, all values typical.

