

**Series 7: Low Capacitance / General Purpose Photodiodes**

Pacific Silicon Sensor specializes in the design and manufacture of custom devices; in differing sizes and shapes, in both standard or custom packaging. Whether your needs are for a single element detector or a multi element array, PSS can provide you with a detector to meet your specifications.

Whatever your light sensing needs...

Make Pacific Silicon Sensor your solution.

Part Number	Active Area		Responsivity $\frac{A}{W}$		Capacitance pF @ 12V	Dark Current na @ 12V	Rise Time ns @ 12V	N.E.P $WHz^{1/2}$ 850nm	Pkg
	Size (mm)	mm ²	950nm	1064nm					
PSS 1-7	Ø1.13	1	0.65	0.2	2□	1□	30□	1×10^{-14}	(92K)
PSS 2-7	Ø1.60	2	0.65	0.2	3□	1□	35□	1×10^{-14}	(92K)
PSS 5-7	Ø2.52	5	0.65	0.2	5□	1□	45□	2×10^{-14}	(92K)
PSS 10-7	Ø3.57	10	0.65	0.2	10□	1□	50□	3×10^{-14}	(92K)
PSS 15-7	4.3 x 4.3	15	0.65	0.2	30□	10□	25□	3×10^{-14}	(92K)
PSS 20-7	Ø5.05	20	0.65	0.2	20□	2□	50□	4×10^{-14}	(92K)
PSS 50-7	Ø7.98	50	0.65	0.2	35□	2□	55□	3×10^{-14}	(92K)
PSS 80-7	8 x 10	80	0.65	0.2	65□	5□	45□	5×10^{-14}	(88K)
PSS 100-7	Ø11.28	100	0.65	0.2	80□	10□	55□	6×10^{-14}	(88K)
PSS Q100-7	10 x 10	100	0.65	0.2	80□	5□	55□	6×10^{-14}	NA
PSS Q200-7	10 x 20	200	0.65	0.2	140	2	60	6×10^{-14}	NA

Test conditions: 22°C: All values typical.

