Pacific Silicon Sensor Inc.

Data Sheet

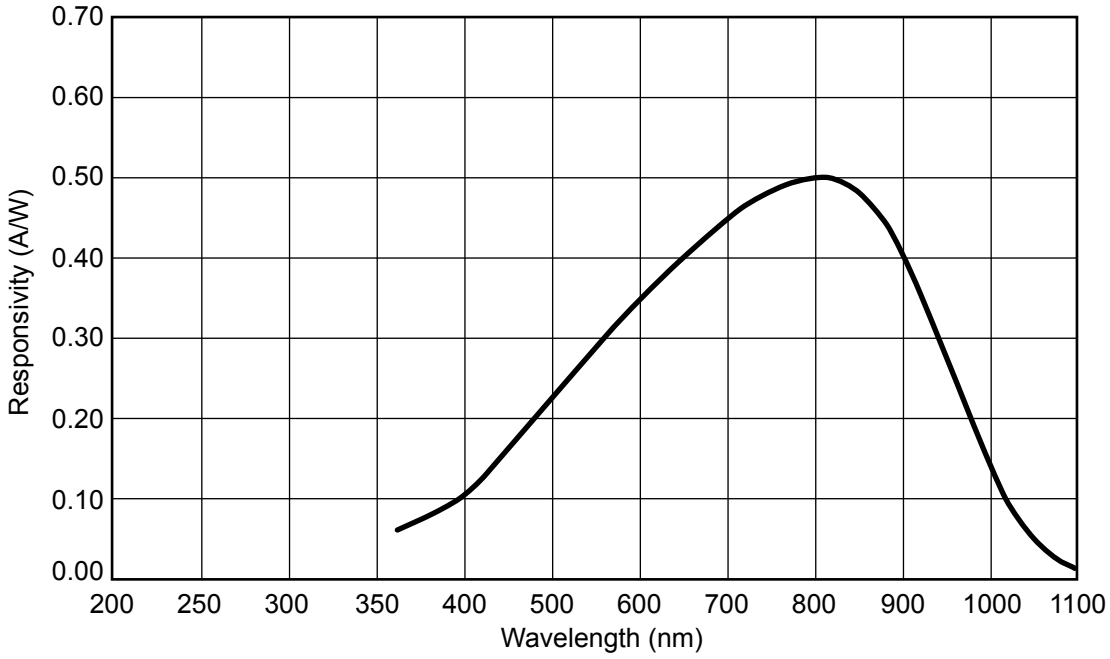
Series 5: High Speed Epitaxial P-I-N Photodiodes

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 Size (mm)	Active Area mm^2	Responsivity A/W @ 850nm	Shunt Resistance MΩ @ 10mV	Capacitance pF 0V	Capacitance pF 20V	Id nA@10V	Rise Time ns 0V	Rise Time ns 20V	N.E.P. $W/Hz^{1/2}$ 0V	N.E.P. $W/Hz^{1/2}$ 20V	Pkg (PDF)
PSS 0.25-5	0.5 x 0.5	0.25	0.5	200	6	1.8	0.5	2	0.4	2×10^{-15}	6×10^{-15}	(92K)
PSS 0.9-5	0.95 x 0.95	0.9	0.5	200	25	4	1	9	1.8	5×10^{-15}	2.5×10^{-14}	(92K)
PSS 3.6-5	1.9 x 1.9	3.6	0.5	200	90	20	2	15	3	2×10^{-14}	5×10^{-14}	(92K)
PSS 11.9-5	3.45 x 3.45	11.9	0.5	200	180	40	3	25	5	5×10^{-14}	1×10^{-13}	(92K)

Test conditions: 22°C: All values typical.



5700 Corsa Avenue, #105, Westlake Village, CA 91362, Phone: (818) 706-3400 , Fax (818) 889-7053
Email: sales@pacific-sensor.com Web site: www.pacific-sensor.com