

## Product Table

## InGaAs PIN, Large Area, Peak Wavelength at 1550 nm

Unit	Active Diameter	Responsivity Peak	Capacitance (at 5V)	Shunt Resistance	B <sub>w</sub>	Dark Current	Breakdown Voltage	Package
	mm	A/W	pF	Mega Ohm	MHz	nA	V	
C30619GH	0.5	1.05	7	10	350	0.3	20	TO-18
C30619GH-LC	0.5	1.05	5	10	700	0.3	20	TO-18
C30619GH-TC	0.5	1.05	7	10	350	0.3	20	TO-8, flange, TE-cooled
C30619GH-DTC	0.5	1.05	7	10	350	0.3	20	TO-8, flange, dual TE
C30641EH-TC	1	1.05	22	5	350	1	20	TO-8, flange, TE-cooled
C30641EH-DTC	1	1.05	22	5	75	1	20	TO-8, flange, dual TE
C30641GH	1	1.05	22	5	75	1	20	TO-18
C30641GH-LC	1	1.05	18	5	150	1	20	TO-18
C30642GH-LC	1	1.05	77	2	40	2	15	TO-5
C30642GH-TC	1	1.05	90	2	20	2	15	TO-8, flange, TE-cooled
C30642GH-DTC	1	1.05	90	2	20	2	15	TO-8, flange, dual TE
C30642GH	2	1.05	90	2	20	2	15	TO-5
C30665GH	3	1.05	200	1	10	5	10	TO-5
C30665GH-LC	3	1.05	165	1	20	5	10	TO-5
C30665GH-TC	3	1.05	200	1	10	5	10	TO-8, flange, TE-cooled
C30665GH-DTC	3	1.05	200	1	10	5	10	TO-8, flange, dual TE
C30723GH	5	0.95	950	1	3	20	10	TO-8

## Product Table

## Silicon PIN

Unit	Active Diameter	Active Area	Responsivity Peak	Peak Wavelength	Capacitance	Rise Time	Dark Current	Shunt Resistance	Breakdown Voltage	Operating Voltage	Package
	mm	mm <sup>2</sup>	A/W	nm	pF	ns	nA	MΩ	V	V	
C30741PH-15S	1.5 x 1.5	2.25	0.47	800	11	2	0.05	-	300	10	Plastic T-1¾ through-hole
C30741PFH-15S	1.5 x 1.5	2.25	0.47	800	11	2	0.05	-	300	10	T-1¾ visible blocking
C30807EH	1	0.8	0.6	900	2.5	3	10	-	>100	45	TO-18
C30808EH	2.5	5	0.6	900	5	12	30	-	>100	45	TO-5
C30809EH	8	50	0.6	900	25	12	70	-	>100	45	TO-8
C30810EH	11	100	0.6	900	45	15	300	-	>100	45	TO-36
C30822EH	5	20	0.6	900	12	12	50	-	>100	45	TO-8
FND-100GH	2.5	5.1	0.64	920	8.5	<1	10	-	150	100	TO-5
FND-100QH	2.5	5.1	0.64	920	8.5	<1	10	-	150	100	TO-5, response down to 200 nm
YAG-100AH	2.5	5.1	0.7	1000	2.5	5	<20	-	>200	180	TO-5
YAG-200H	5	20	0.7	1000	6	5	<100	-	>200	180	TO-8
YAG-444AH	11.3	100	0.7	1000	35	5	<200	-	>200	180	Custom

## Product Table

## Specialty Silicon Detectors

Unit	Description	Active Diameter	Active Area	Capacitance	Rise/Fall Time	Dark Current	Breakdown Voltage min	Responsivity 900 nm	Responsivity 1060 nm	Noise Current	Package
		mm	mm <sup>2</sup>	pF	ns	nA	V	A/W	A/W	pA/√Hz	
C30845EH	900 nm Quadrant PIN	8	50	8	10	70	100	0.6	0.17	0.26	TO-8
YAG-444-4AH**	1064 nm Quadrant PIN	11.5	100	9	12	30	200	0.6	0.5	0.2	Custom
YAG-444N-4AH	1064 nm Quadrant PIN	11.5	100	9	12	30	200	0.6	0.5	0.1	Custom
YAG-555-4AH	1064 nm Quadrant PIN	14.1	156	12	12	50	200	0.6	0.5	0.2	Custom
YAG-555N-4AH	1064 nm Quadrant PIN	14.1	156	12	12	50	200	0.6	0.5	0.1	Custom
C30665GH-4	1550 nm Quadrant PIN	3	7	45	5	0.5	50	0.8	1.05	0.25	TO-5
C30665GH-4-LC	1550 nm Quadrant PIN	3	7	20	2	0.5	50	0.8	1.05	0.25	TO-5

\* Responsivity is measured at 900 and 1064 nm for 1064 nm quadrant PINs, and 1064 and 1550 nm for 1550 nm quadrant PINs.

\*\* The YAG series of quadrant PIN photodiodes are available with built-in heater package, upon request.