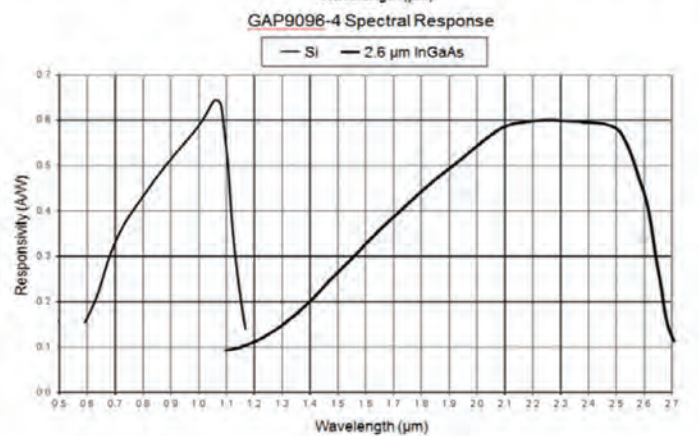
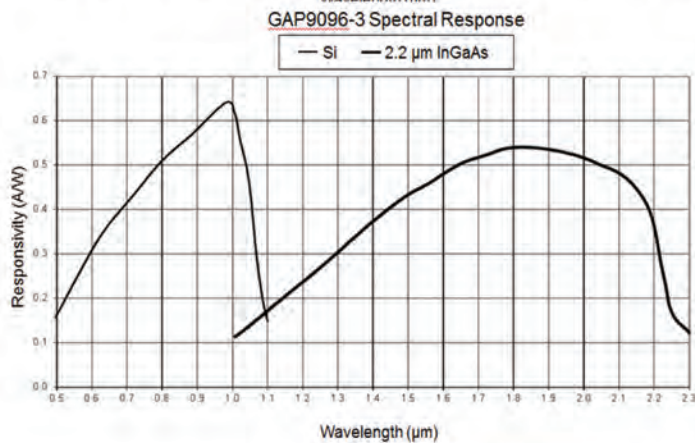
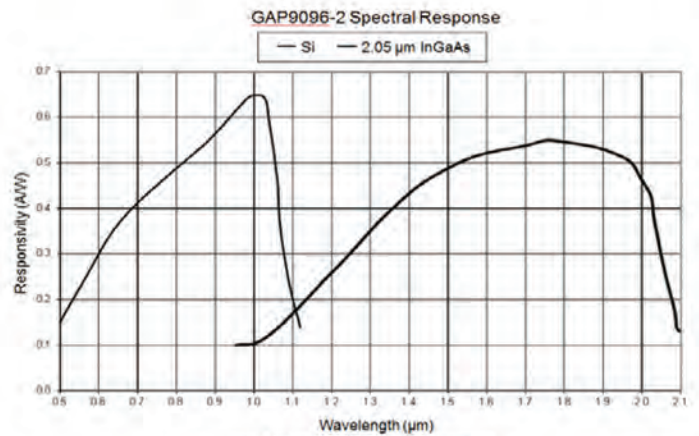
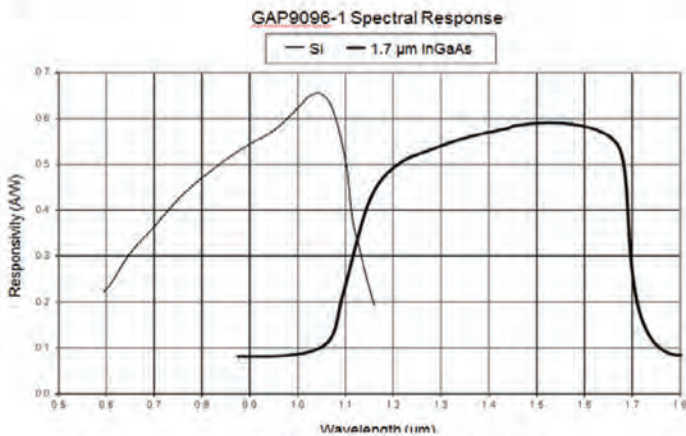


Two-Color Sandwich Photodiodes

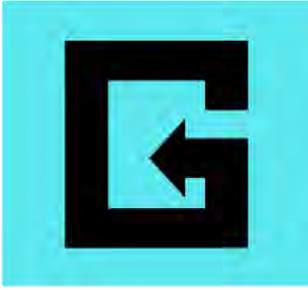
Si/InGaAs Two-Color Sensor

Type	Active Diameter (mm)	Wavelength Range (μm)	Peak Responsivity (A/W)	Minimum Shunt Resistance (M Ω)	NEP (pW/Hz ^{1/2})	Max Leakage Current (μA)	Max Reverse Bias (V)
Si GAP9096-1 InGaAs	2.6 x 2.6 1.000	0.4 - 1.0 1.0 - 1.7	0.550 0.550	200 20	0.02 0.05	0.002 @ 10 V 0.01 @ 1 V	50 20
Si GAP9096-2 InGaAs	2.6 x 2.6 1	0.4 - 1.0 1.1 - 2.05	0.55 0.55	200 0.6	0.02 0.3	0.002 @ 10 V 9 @ 1 V	50 2
Si GAP9096-3 InGaAs	2.6 x 2.6 1	0.4 - 1.0 1.1 - 2.2	0.55 0.55	200 0.025	0.02 1.5	2 @ 10 V 20 @ 1 V	50 2
Si GAP9096-4 InGaAs	2.6 x 2.6 1	0.4 - 1.0 1.1 - 2.6	0.55 0.55	200 0.002	0.02 5	2 @ 10 V 25 @ 1 V	50 1



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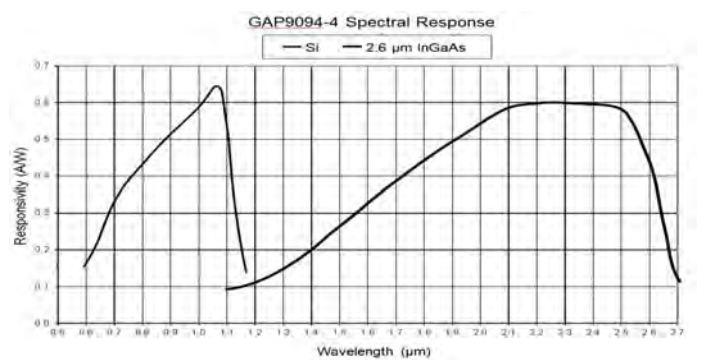
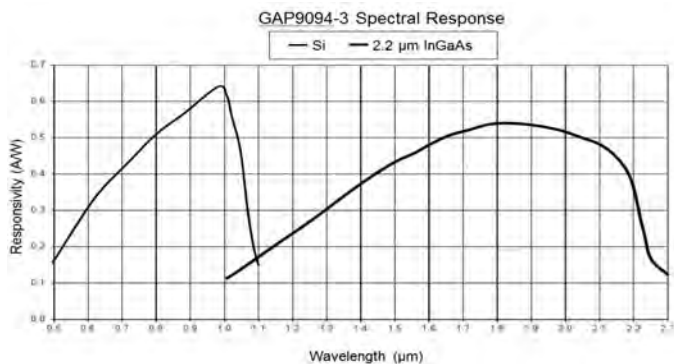
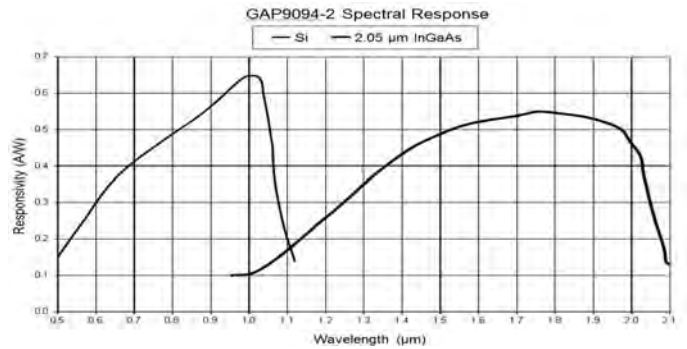
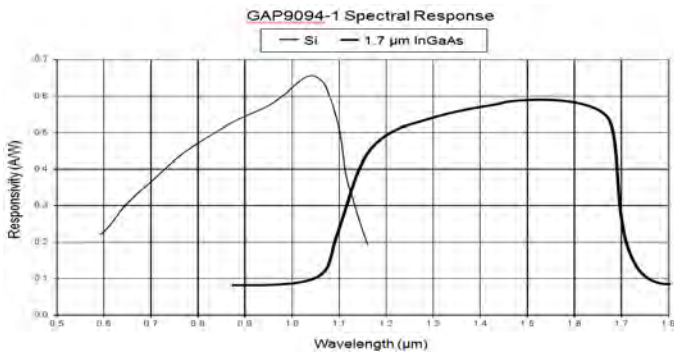
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Si/InGaAs Two-Color Sensor

Type	Active Diameter (mm)	Wavelength Range (μm)	Peak Responsivity (A/W)	Minimum Shunt Resistance (MΩ)	NEP (pW/Hz ^{1/2})	Max Leakage Current (μA)	Max Reverse Bias (V)
Si GAP9094-1	2.6 x 2.6	0.4 - 1.0	0.55	200	0.020	0.002 @ 10 V	50
InGaAs	2	1.0 - 1.7	0.55	5	0.050	0.1 @ 1 V	5
Si GAP9094-2	2.6 x 2.6	0.4 - 1.0	0.55	200	0.02	0.002 @ 10 V	50
InGaAs	2	1.1 - 2.05	0.55	0.02	1.6	30 @ 1 V	2
Si GAP9094-3	2.6 x 2.6	0.4 - 1.0	0.55	200	0.02	0.002 @ 10 V	50
InGaAs	2	1.1 - 2.2	0.55	0.006	3	50 @ 1 V	1
Si GAP9094-4	2.6 x 2.6	0.4 - 1.0	0.55	200	0.02	0.002 @ 10 V	50
InGaAs	2	1.1 - 2.6	0.55	500 Ω	10	50 @ 0.5 V	0.5





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InGaAs/InGaAs Two-Color Sensor

Type	Active Diameter (mm)	Wavelength Range (μm)	Peak Responsivity (A/W)	Minimum Shunt Resistance (MΩ)	NEP (pW/Hz ^{1/2})	Max Leakage Current (μA)	Max Reverse Bias (V)
InGaAs GAP9099	2	0.8 - 1.5	0.9 @ 1.55 μm	5	0.06	0.2 @ 1 V	3
InGaAs	2	1.5 - 1.75	0.15 @ 1.68 μm	5	0.38	0.2 @ 1 V	3
InGaAs GAP9116-1	2	0.8 - 1.75	0.9 @ 1.55 μm	5	0.06	0.2 @ 1 V	3
InGaAs	2	1.5 - 2.1	0.45 @ 1.90 μm	0.04	1.4	50 @ 1 V	1
InGaAs GAP9116-2	2	0.8 - 1.75	0.9 @ 1.55 μm	5	0.06	0.2 @ 1 V	3
InGaAs	2	1.5 - 2.2	0.45 @ 2.0 μm	0.006	3.4	50 @ 0.5 V	1
InGaAs GAP9116-3	2	0.8 - 1.75	0.9 @ 1.55 μm	5	0.06	0.2 @ 1 V	3
InGaAs	2	1.5 - 2.6	0.5 @ 2.4 μm	800 Ω	9	80 @ 0.5 V	1

