



Opto-Electronic
Components



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InGaAs Two-Color Sandwich Photodiodes

400nm up to 1,7 ... 2,6 μ m

Si / InGaAs

“2,6mm Si over 1mm InGaAs”

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

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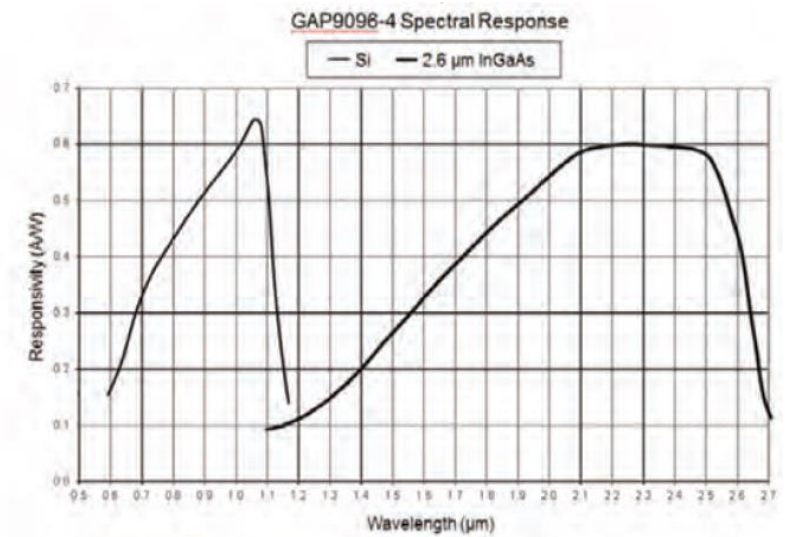
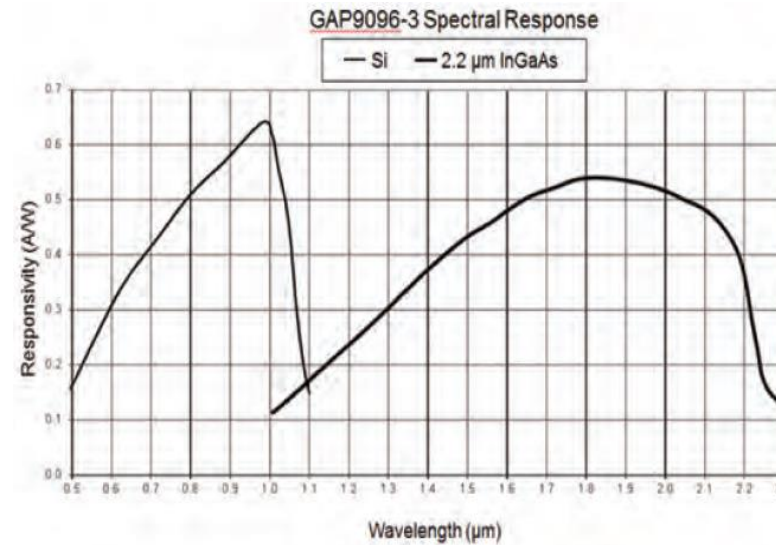
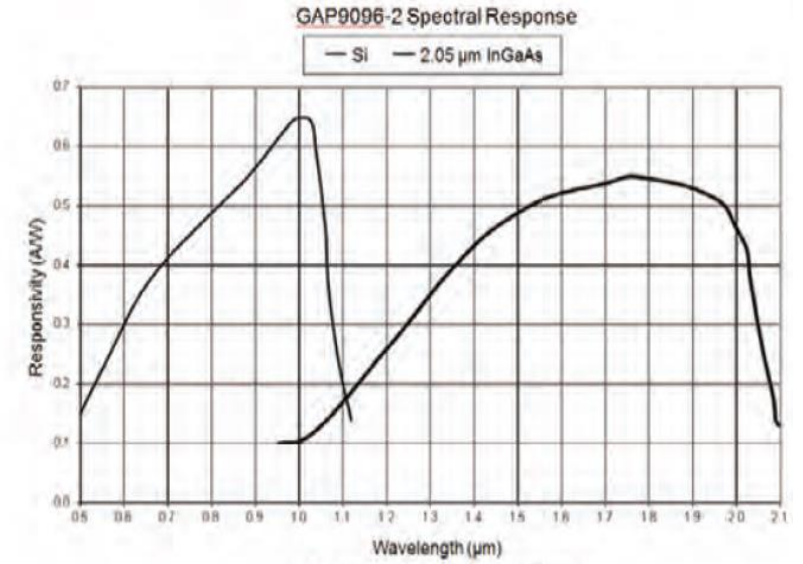
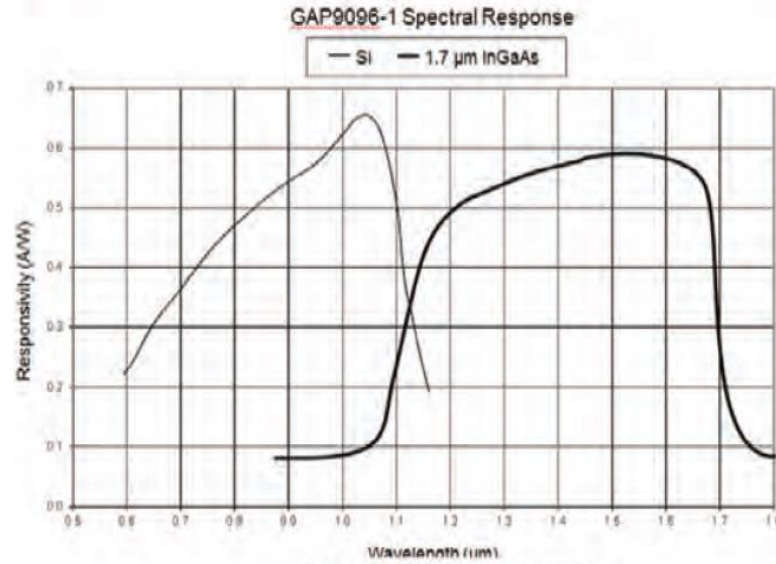
Spectral responses



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Si / InGaAs

“2,6mm Si over 2mm InGaAs”

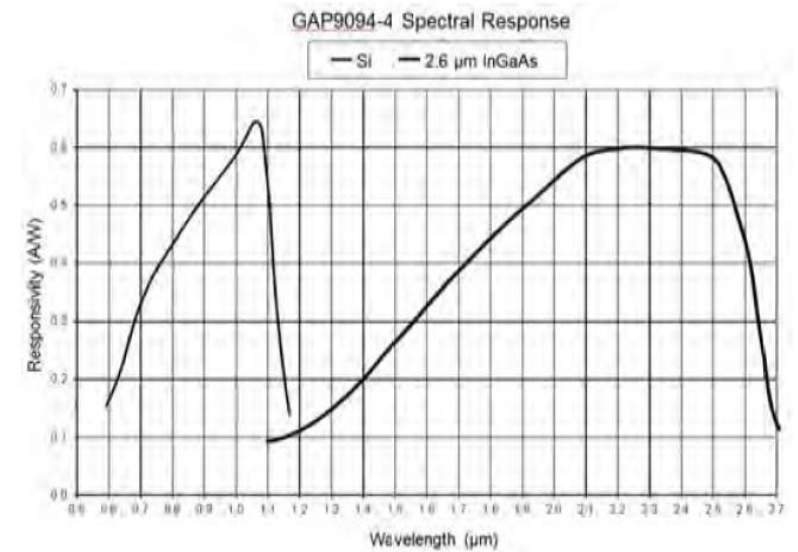
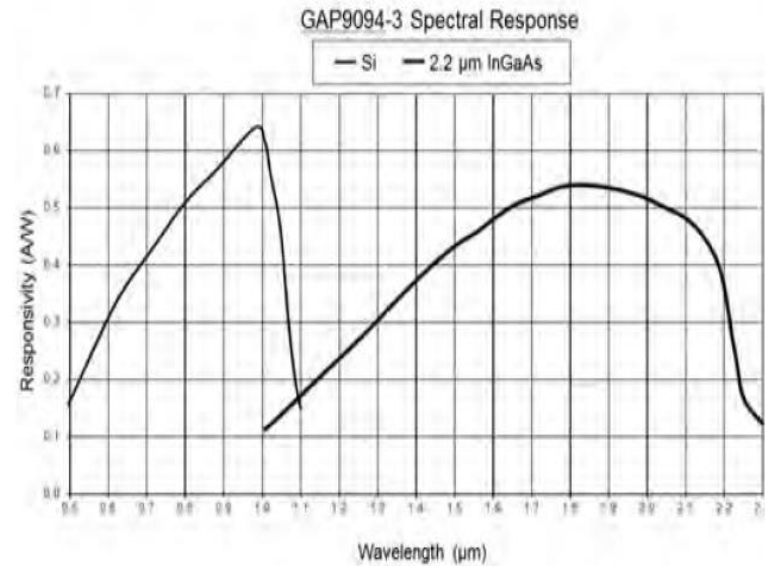
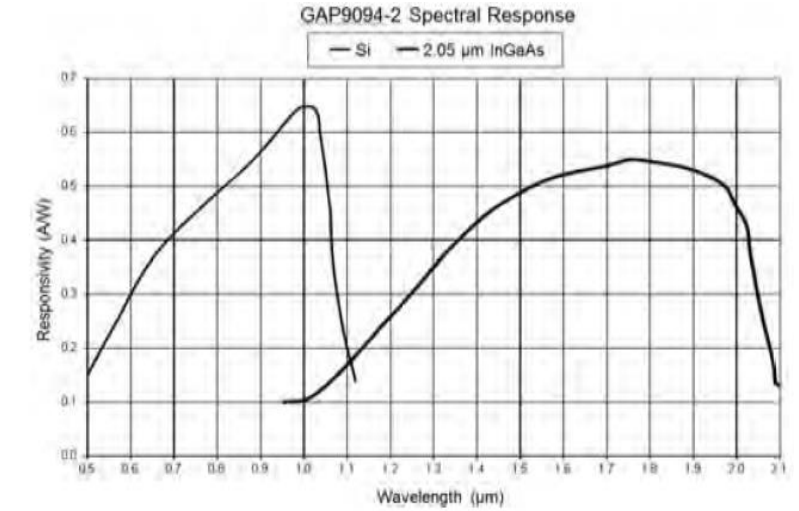
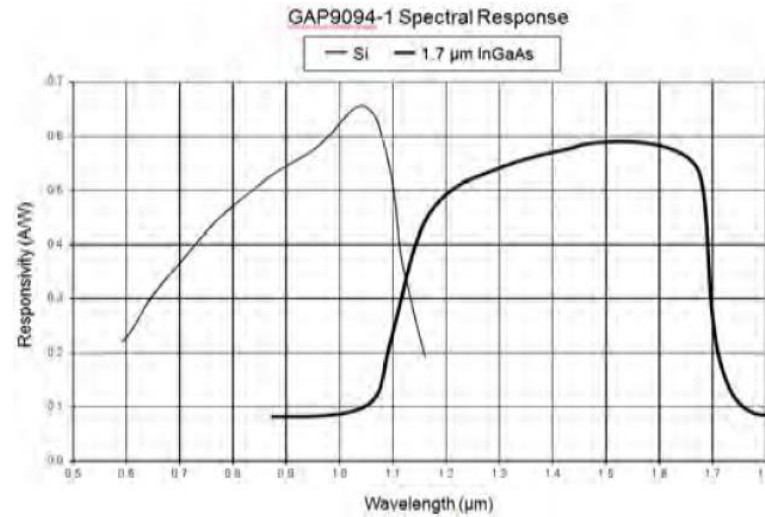
Type	Active Diameter (mm)	Wavelength Range (μ m)	Peak Responsivity (A/W)	Minimum Shunt Resistance (M Ω)	NEP (pW/Hz ^{1/2})	Max Leakage Current (μ A)	Max Reverse Bias (V)
Si GAP9094-1	2.6 x 2.6	0.4 - 1.0	0.55	200	0.020	0.002 @ 10 V	50
InGaAs	2	1.0 - 1.7	0.55	5	0.050	0.1 @ 1 V	5
Si GAP9094-2	2.6 x 2.6	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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400nm up to 1,7 ... 2,6µm

InGaAs / Extended InGaAs

“2,6mm InGaAs over 2mm Extended-InGaAs”

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

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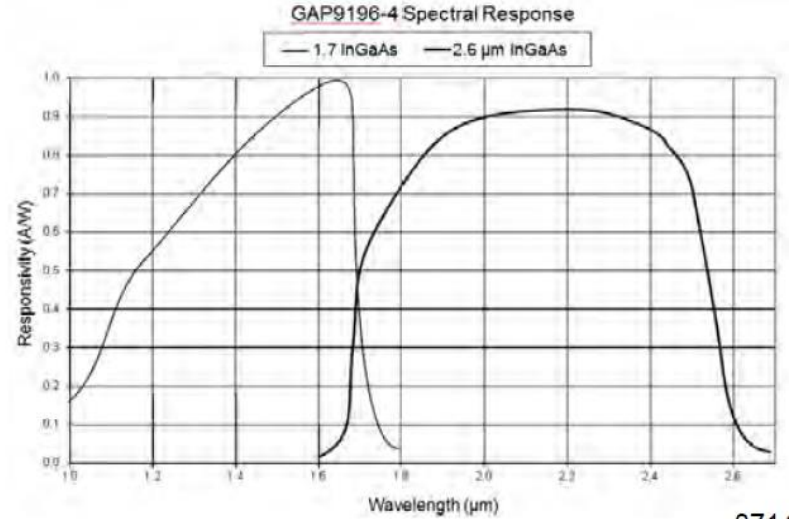
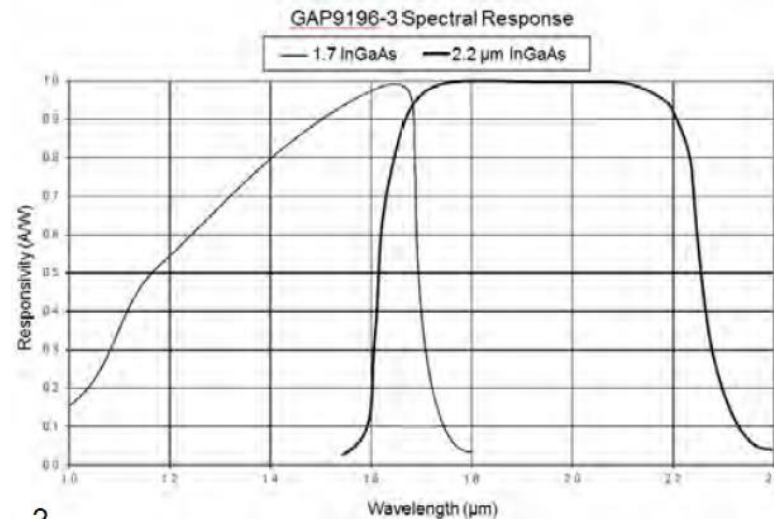
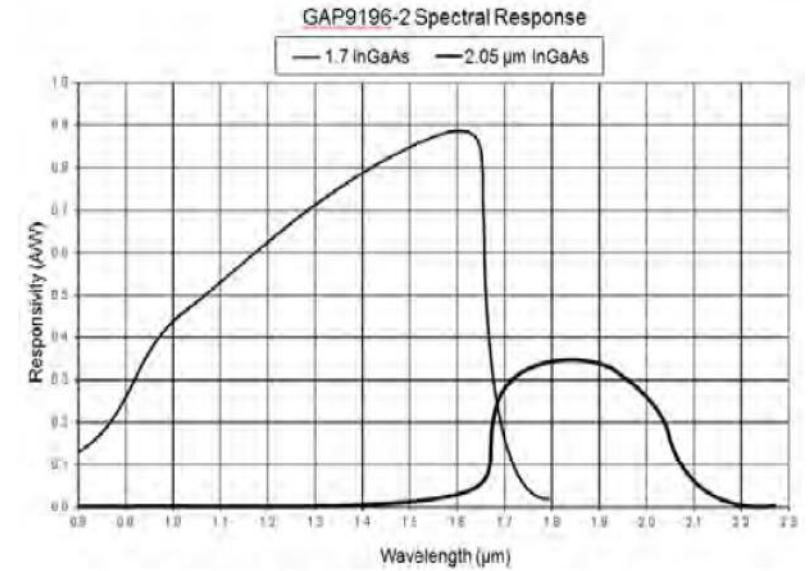
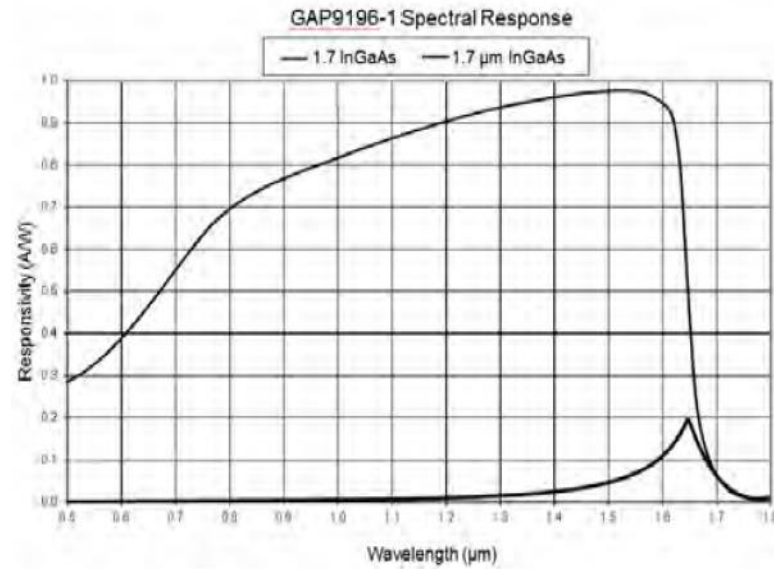
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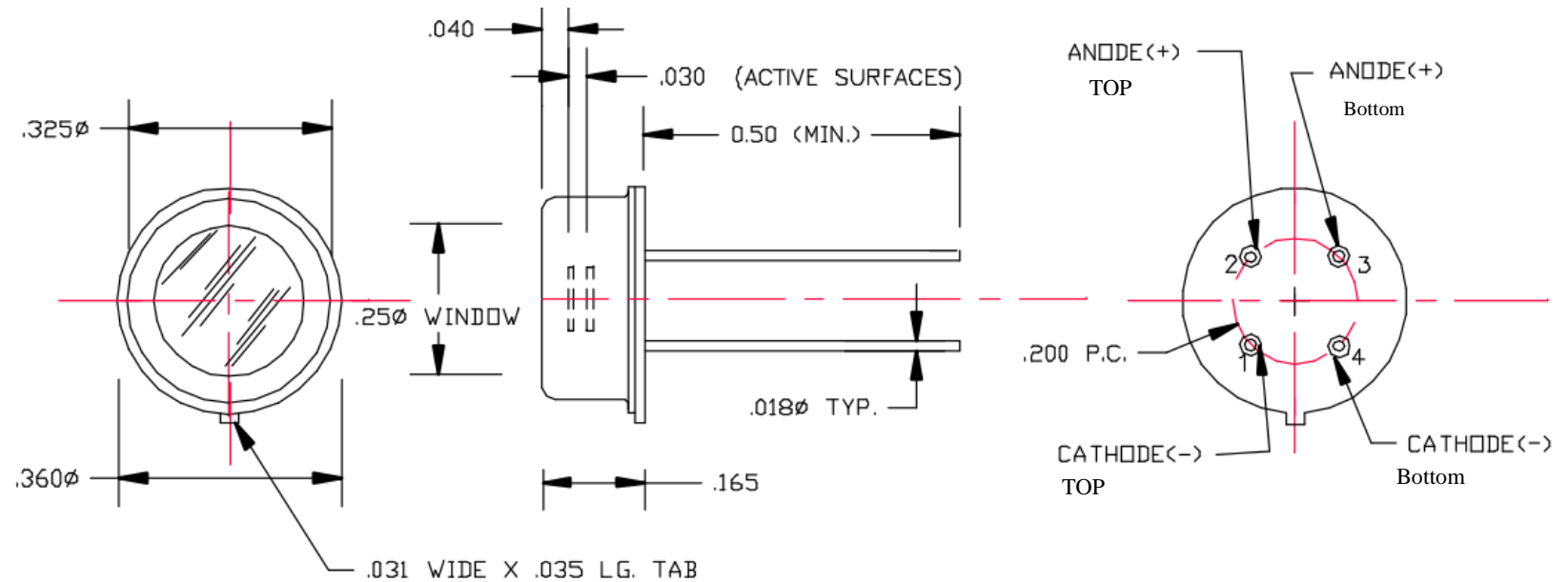


InGaAs Two-Color Sandwich Photodiodes

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Packages

T05 for Sandwich



InGaAs Two-Color Sandwich Photodiodes

400nm up to 1,7 ... 2,6 μ m

Packages

T08 for Sandwich

