

Extended-SWIR LED Die (2.0-2.3um) MWIR LED Die (3.0-4.2um)

Extended-SWIR LED (2.0-2.3um)

--- Prototype Data

Wavelength $\lambda_p(\mu\text{m})$	2.1 μm	2.2 μm	2.3 μm
Die size (μm)	1080sq	1080sq	1080sq
Po @100mA (mW)	1.7	1.4	0.16
Po @1A (mW)	17.9	11.7	4.3
Vf @100mA (V)	0.5	0.5	0.4

Target Application

Si wafer inspection
Food / Plastic sorting
Glucose monitoring

MWIR LED Gen.1 (3.0-4.2um)

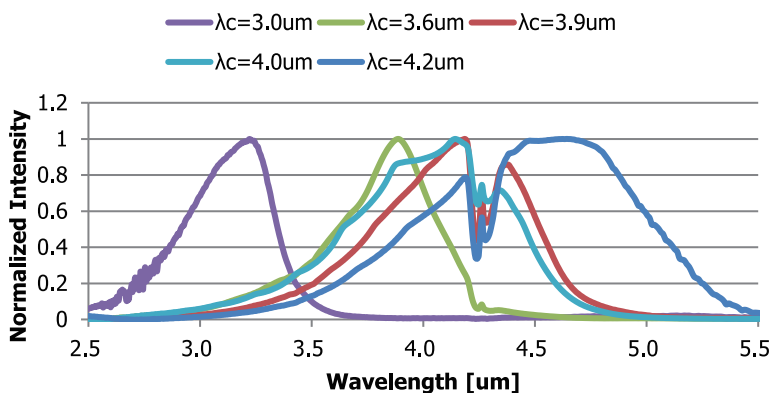
--- Sample Available

Wavelength $\lambda_c(\mu\text{m})$	3.0 μm	3.6 μm	3.9 μm	4.0 μm	4.2 μm
Die size (μm)	500sq	500sq	500sq	500sq	500sq
Po @300mA (mW)	0.21	0.38	0.29	0.40	0.14
Vf @300mA (V)	0.4	0.4	0.3	0.3	0.3
WPE@300mA (%)	0.18%	0.36%	0.30%	0.41%	0.15%

Target Application

Gas sensor(CH₄, C₂H₆)
CO₂ monitoring
Capnography

Spectrum



Po (MWIR LED Gen.1)

