4-inch Triple-Junction Solar Cell Epiwafers

Rigid and IMM3J flexible-cell routes | Technical datasheet

Parameter	Rigid triple-junction	IMM3J flexible-cell route
Delivery format	Whole epiwafer	Whole epiwafer
Nominal wafer size	4 inches	4 inches
Junction materials	GaInP / GaInAs / Ge	GaInP / GaAs / InGaAs
Growth substrate	Ge	GaAs
Nominal substrate thickness	145 µm	350 µm
Epitaxial layer thickness	7 µm	10 µm
Total wafer thickness	152 µm	360 µm

Both configurations retain their growth substrates at delivery.

IMM3J stands for inverted metamorphic triple-junction.

Total thickness is the sum of substrate and epitaxial layer thickness.

Actual diameter, tolerances and acceptance criteria follow the agreed incoming specification.

Finished CIC and flexible cell performance depends on subsequent fabrication.

Request a quote

Share your preferred route, quantity and incoming inspection requirements.

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