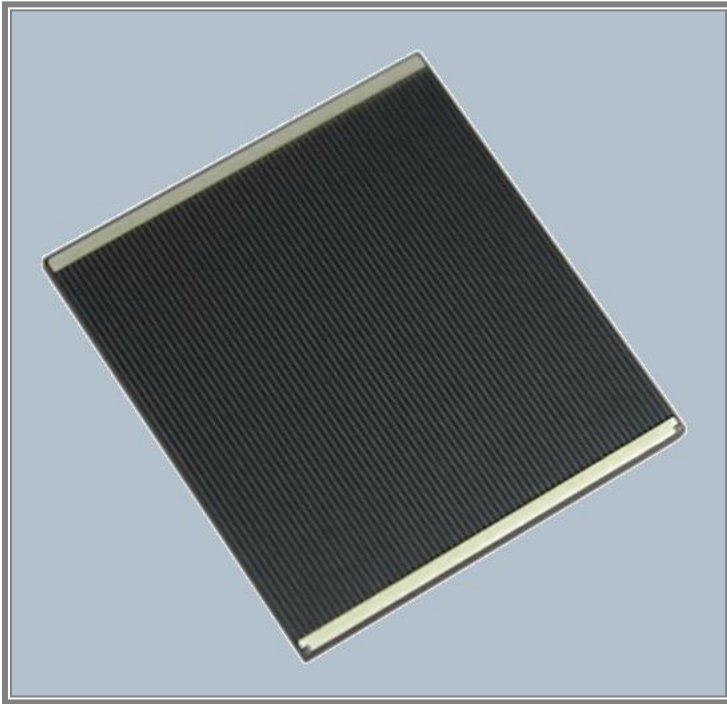


## C3P5 Improved CPV Technology with Fifth Generation Wafer Processing



- ✓ *Enhanced efficiency and lower cost with the demonstrated reliability of our C3MJ technology*
- ✓ *Fully qualified and production-ready*
- ✓ *Grid design optimized for high concentration (1200x)*

### Product Description

Typical Efficiency **39.5%**  
Recommended operating temperature **<110°C**

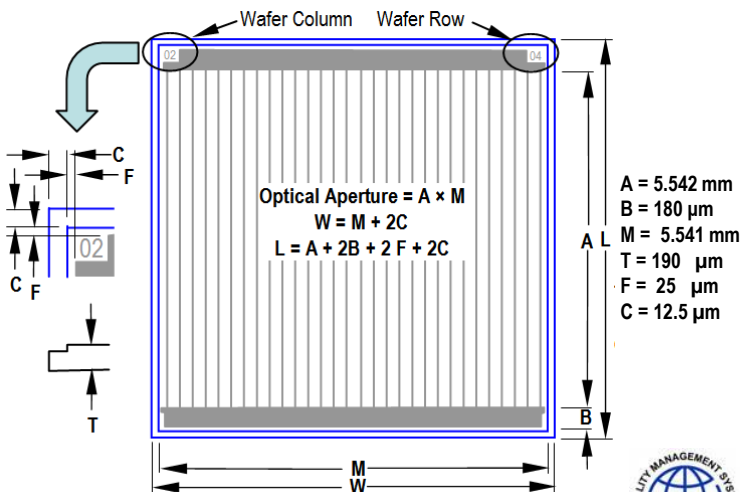
### Epitaxial Structure

Triple junction solar cell on Germanium substrate  
GaInP (1.88 eV) / GaInAs (1.41 eV) / Ge (0.67 eV)

### Metallization

- Silver metallization on front busbar and grid fingers. gold flash front contact finish is available as a special order with minimum lot sizes imposed.
- Silver metallization with 500Å gold on back surface

### Mechanical Dimensions



### CPV Cell Ordering Guide

PP - 046556 - CCC

Mask Identifier

#### Packaging Format

11 - Processed Wafer  
21 - Bare Cell in Waffle Tray

#### Configuration Options

351 - Silver front contact finish

#### Example:

**21-046556-351** Bare Cell in Waffle Tray ,  
Silver Front Contact



ENVIRONMENTAL MANAGEMENT SYSTEM  
CERTIFIED BY DNV



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