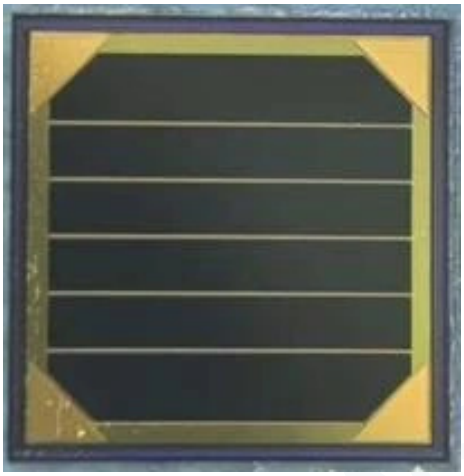
808 nm / 600 mW / 1.8 × 1.8 mm Bare LPC die

Select the cell or assembly by wavelength, illuminated area, electrical output and cooling. Wavelength variants are separate configurations.



Photograph of the reference assembly

Parameters

Input wavelength	800–840 nm (808 nm)
Die outline	1.8 × 1.8 mm
Thickness	200 µm
Maximum optical input (adequate cooling required)	1.2 W

Applications & selection

LPC receiver integration, beam-to-cell matching, packaging and thermal assessment.

The 1.5 W optical-input curve exceeds the listed 1.2 W absolute maximum. It is a reference test record, not an allowed operating range; confirm the rating before delivery.

Dimensions & mounting

Item	Specification
Die outline	1.8 × 1.8 mm
Thickness	200 μm
Top-side pads	4
Top pad gold thickness	0.4 μm
Bottom gold thickness	0.4 μm

Pins & electrical interface

Surface	Output polarity
Top side	Negative (−)
Bottom side	Positive (+)

Absolute maximum ratings

Parameter	Symbol	Min.	Typ.	Max.	Unit
Storage temperature	TS	−40	25	85	°C
Operating case temperature	TC	−40	—	85	°C
Maximum optical input power	Popt IN	—	—	1.2	W

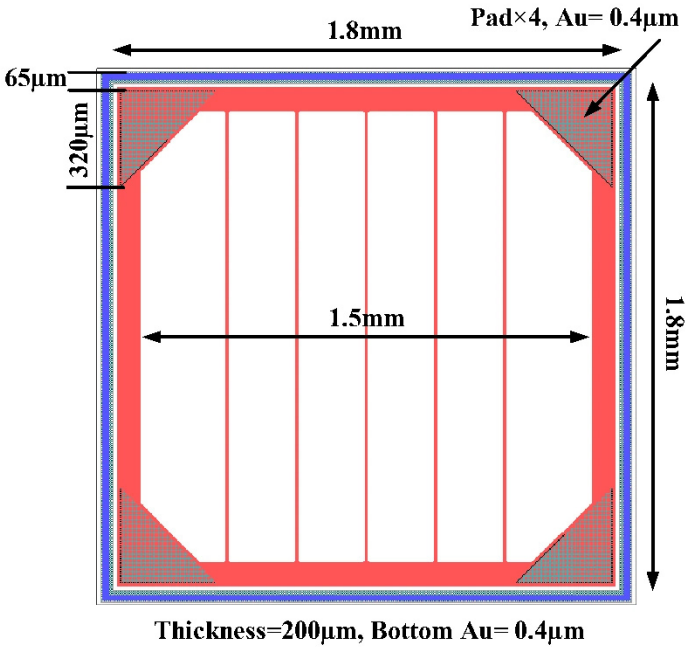
Input wavelength

Parameter	Symbol	Min.	Typ.	Max.	Unit
Recommended input wavelength	λ IN	800	808	840	nm

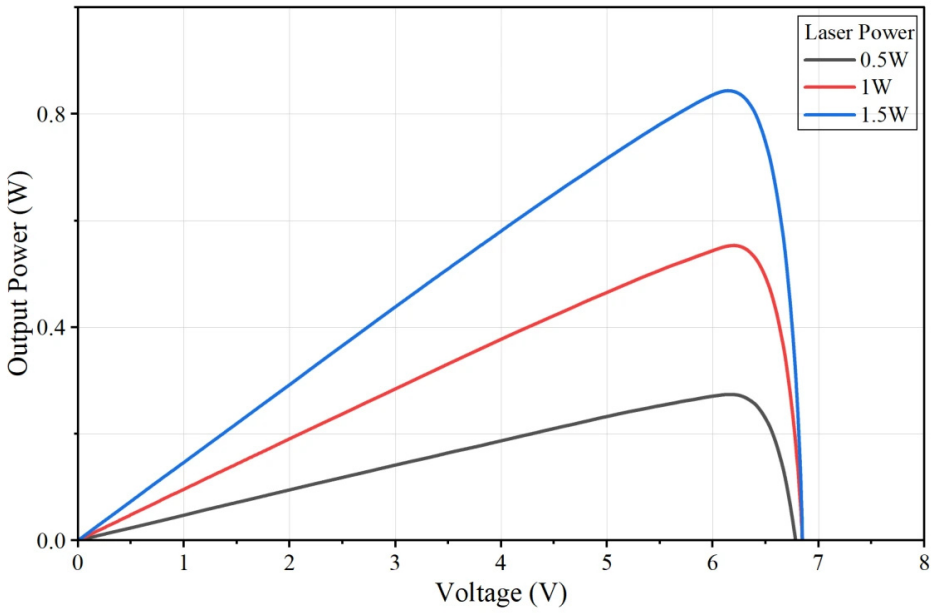
Typical operating points

Optical input (W)	Pmpp (W)	Vmpp (V)	Impp (A)
0.5	0.274	6.08	0.045
1.0	0.578	6.08	0.095

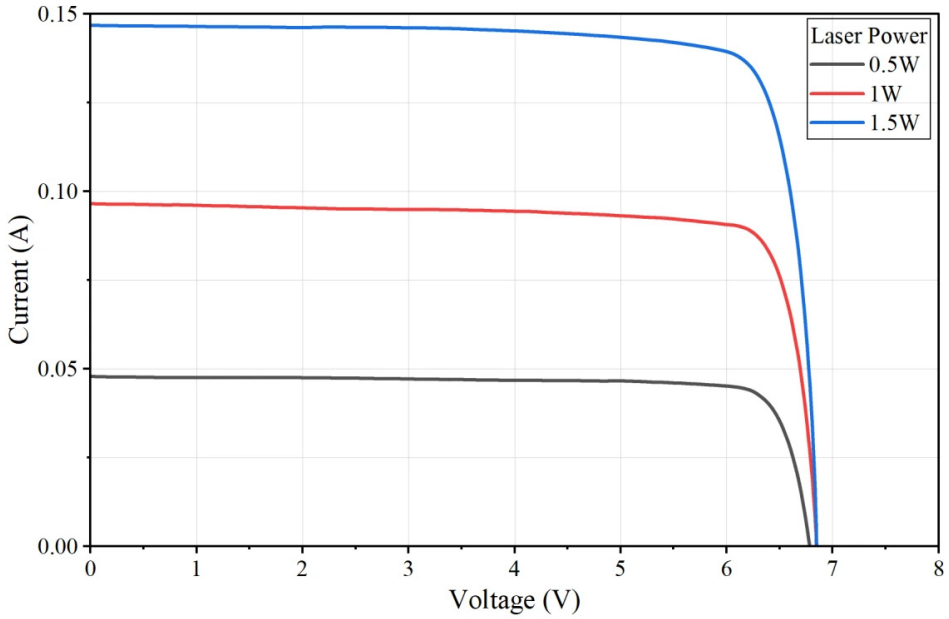
Dimensions & mounting



Dimensions & mounting



Output power–voltage curve



Output current–voltage curve

Reference values support selection. Confirm final configuration and acceptance conditions in the technical agreement. A power class is not guaranteed output under every operating condition.