

Panel Specifications

Electrical:

1000 lux: 207uA at 4.2V (871uW)¹
 200 lux: 41uA at 3.2V (133uW)¹
 Max Voc: 7.4V (Direct Sunlight)²
 Average Isc: 32mA (Direct Sunlight)²

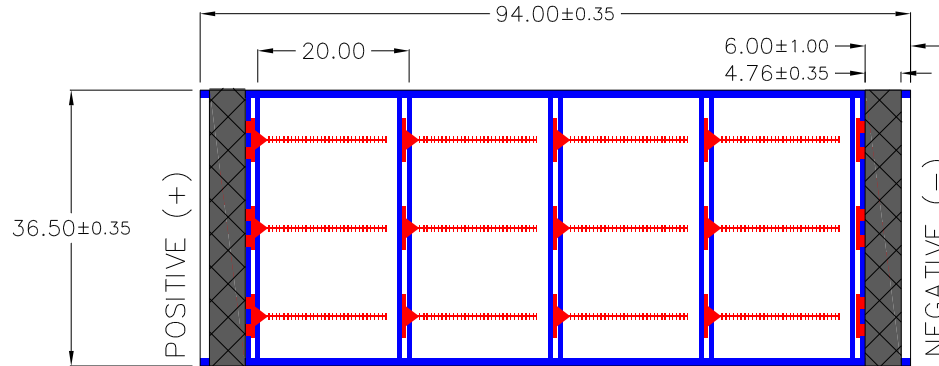
Mechanical:

f/b Laminate: 3 mil PET / 3 mil PET
 3/16 in Copper Foil Busbar
 Thickness: 0.22mm³
 Appr. Weight: 0.9 grams
 Operating Temperature: -25C to 65C⁴
 Bend Radius: 1 inch fixed, 3 inch repetitive⁵
 UV and Moisture Protection: Limited⁶

REVISIONS

DRAWING NO.
LL200-4.8-37

REV	DESCRIPTION	REVIEW	DATE
1	4 Cell 94 x 37 mm Tandem Junction Module		6/21/2021
2	updated application notes and handling information	SJ	5/4/2022



Panel Information, Handling and Assembly Best Practices



Application Notes

1. Tested under a cool white LED spectrum.
2. Extended exposure to above rated light intensity can reduce panel performance.
3. Copper foil bustape increases thickness by approximately 0.1mm.
4. High temperature laminates available for up to 85C continuous, 100C peak (4h daily).
5. Contact engineering support for tighter flexing requirements.
6. Tolerant to intermittent exposure to UV, moisture and weather. Full UV and weatherproofing options are available.

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PowerFilm Inc.

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TITLE
4 Cell 94 x 37 mm Tandem Junction Module

SCALE 1:1	DATE: 6/21/2021	REF.
DRAWN John Fecht		DRAWING NO.
CHECKED	LL200-4.8-37	

UNITS: mm