

Panel Specifications

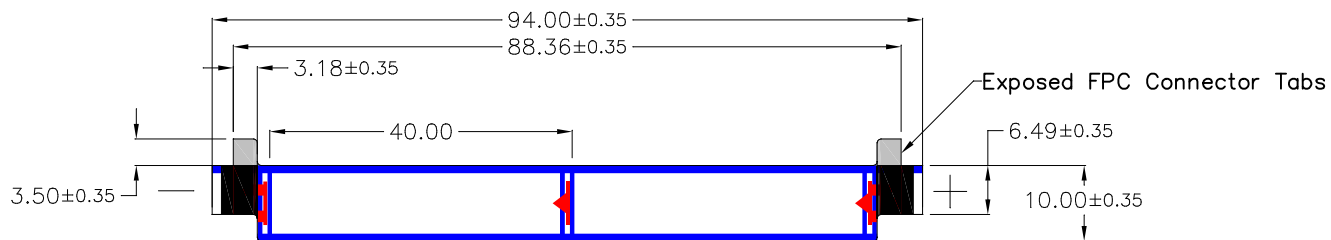
Electrical:

1000 Lux: 104.5uA at 2.1V (219.35uW)¹
 200 Lux: 20.9uA at 1.6V (33.43uW)
 Max Voc: 3.7V (Direct Sunlight)²
 Average Isc: 15.8mA (Direct Sunlight)²

Mechanical:

f/b Laminate: 3 mil PET / 3 mil PET
 $\frac{3}{16}$ in Copper Foil Busbar w/ Black
 Thickness: 0.22 mm³
 Appr. Weight: 0.24 grams
 Operating Temperature: -25C to 65C⁴
 Bend Radius: 1 inch fixed, 3 inch repetitive⁵
 UV and Moisture Protection: Limited⁶
 Exposed 02mm FPC Connector Tabs

REVISIONS		DRAWING NO. INP2.4-10x94T	
REV	DESCRIPTION	REVIEW	DATE
1	2 Cell 10x94 mm Low Light Tandem Module w/0.2mm FPC Tabs	SJ	3/22/2021
2	Changes to mechanical properties. Laminate, thickness, and weight	SJ	6/9/2021
3	Changes Finger Orientation	DS	9/5/2023



Recommended FPC Connector Placement
 - Fits 0.2mm FFC/FCB Thickness Connectors



Panel Information, Handling, and Assembly Best Practices



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 0.17mm.
4. High temperature laminates available for up to 85C continuous, 100C peak (4 hours 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. 1287 XE Place
 Ames, IA 50014
 515-292-7606
 515-292-1922(fax)

TITLE
 2 Cell 10 x 94 mm Low Light Tandem Module

SCALE 1:1 DATE: 3/15/2021 REF.

DRAWN John Fecht

CHECKED

DRAWING NO.

INP2.4-10x94T

UNITS: mm