

Panel Specifications

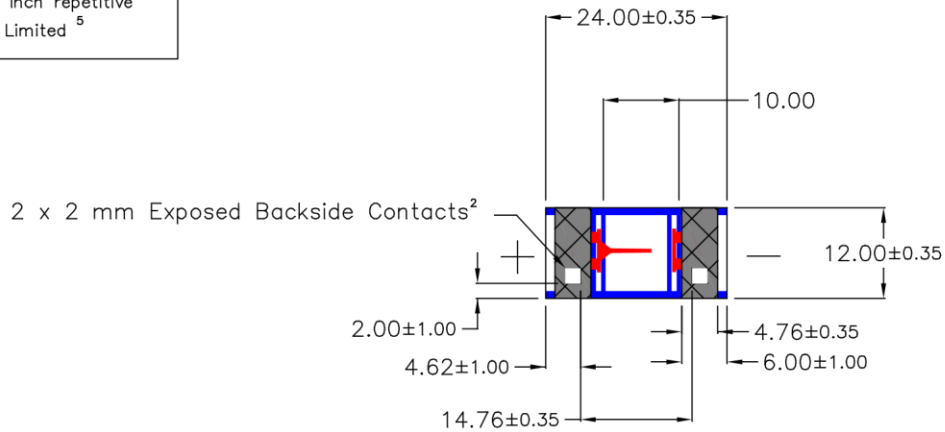
Electrical:

100% Sun: 3.33mA at 1.2V (3.99mW)¹
 25% Sun: 0.749mA at 1.2V (0.9mW)
 Max Voc: 1.85V
 Average Isc: 4.33mA

Mechanical:

f/b Laminate: 3 mil PET / 3 mil PET
 3/16 in Copper Foil Busbar
 2 x 2 mm Exposed Backside Contacts²
 Thickness: 0.2–0.3mm
 Appr. Weight: 0.09 grams
 Operating Temperature: –25C to 65C³
 Bend Radius: 1 inch fixed, 3 inch repetitive⁴
 UV and Moisture Protection: Limited⁵

REVISIONS		DRAWING NO. ONP1.2–12x24	
REV	DESCRIPTION	REVIEW	DATE
1	1 Cell 12 x 24 mm Tandem Module		10/29/2020



Panel Information, Handling and Assembly Best Practices



1. Tested at STC under AM1.5 1000W/m² equivalent conditions
2. Exposed contacts to tinned copper foil are recessed by approximately 0.15 mm
3. High temperature laminates available for up to 85C continuous, 100C peak (4 hours daily).
4. Contact engineering support for tighter flexing requirements
5. 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 1 Cell 12 x 24 mm Tandem Module			
SCALE	1:1	DATE	10/29/2020
DRAWN	Sam Jones	REF.	
UNITS: mm		DRAWING NO. ONP1.2–12x24	

ONP1.2-12x24

- 1000W/m²
- - 250W/m²

