

Amorphous Solar Cells

Specification

1. Name & Model

1.1 Name AMORTON
(Amorphous Solar Cells)

1.2 Model A7503C

2. Outside Dimension 48.3mm×26.1mm×1.1mm

3. Rated Features

Items	Specifications (INITIAL)		
3.1 Open Circuit Voltage :Voc (開放電圧)	Typical	4.7V	(at 200Lx FL,25°C±2°C)
3.2 Short Circuit Current :Isc (短絡電流)	Typical	25.1 μ A	(at 200Lx FL,25°C±2°C)
3.3 Operating Voltage & Operating Current :Vo-pe-Iope (動作特性)	Typical	3.0V—23.6 μ A	(at 200Lx FL,25°C±2°C)
	Minimum	3.0V—18.9 μ A	(at 200Lx FL,25°C±2°C)
3.4 Working Temperature (動作温度)	-10 ~ 60°C		
3.5 Storage Temperature (保存温度)	-20 ~ 70°C		
3.6 Working Illuminance Range (使用照度範囲)	~1000Lx		

FL: White Fluorescent Light

Customer
-

DR.	K.Oohori
CHK.	S.Kuge

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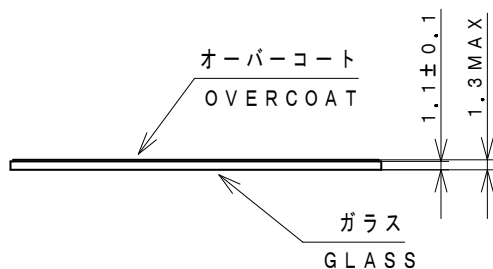
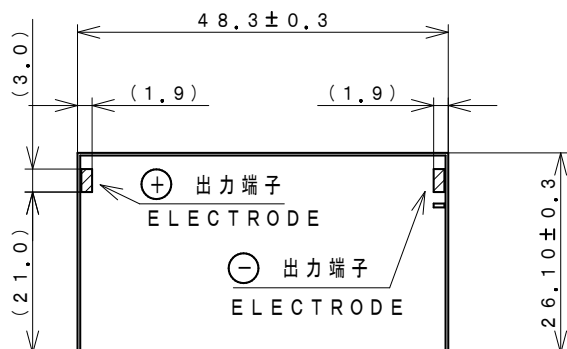
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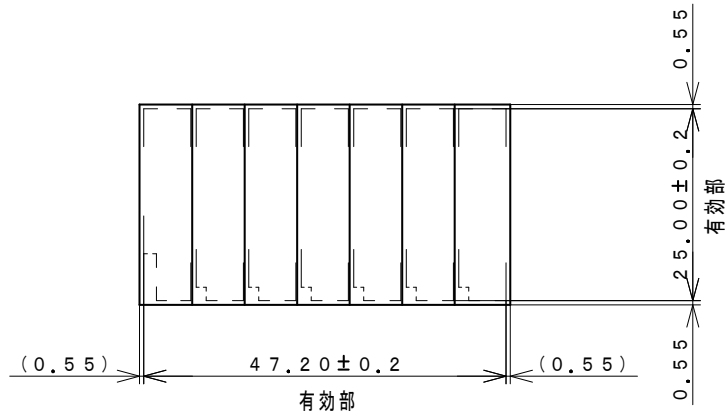
(オーバーコート面)

OVERCOAT SIDE

REFERENCE



(受光面)

LIGHT RECEIVING
SIDE

EFFECTIVE AREA

EFFECTIVE AREA

DO NOT SCALE DRAWING

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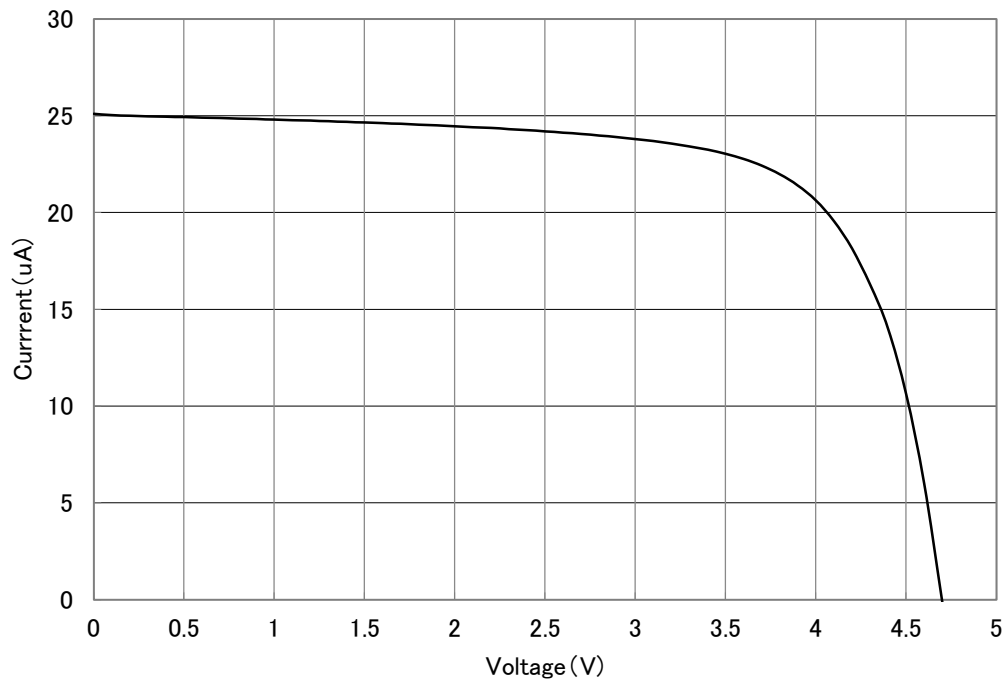
D R .		DATE	△			
		Jun. 22, 2023	△			
C H K .		ORIGINAL DRAWING	SYM	DATE	DESCRIPTION	No.
		TOLERANCE DECIMALS FRACTIONS ANGLES	REVISIONS			
E N G .		DIMENSION : mm	FINISH	TITLE SOLAR CELL		
			MATERIAL	MODEL A7503		
A P P .		SCALE 1 / 1	WEIGHT			
			NO.	TENTATIVE NO.		

Indoor-use Amorton (Improve appearance) I-V Characteristic data

Model : A7503

Dimension : 48.3mm × 26.1mm × 1.1mm

Measurement source of light : 200Lx White Fluorescent Light



	Voc(V)	Isc(uA)	Iope(uA) Vope=3.0V	Pm(uW)	Vpm(V)	Ipm(μ A)
A7503	4.7	25.1	23.6	83.5	3.8	21.9

* Voc:Open Circuit Voltage , Isc:Short Circuit Current
Iope:Operation Current , Vope:Operation Voltage
Pm:Maximum power , Vpm:optimum power operating voltage
Ipm:optimum power operating current

* The data are meant to show a simulation data only, not intend guarantee the characteristics.

Panasonic Solar Amorton Co.,Ltd.