

Amorphous Solar Cells

Specification

1. Name & Model

1.1 Name AMORTON
(Amorphous Solar Cells)

1.2 Model A4502C

2. Outside Dimension 41.4mm×26.1mm×1.1mm

3. Rated Features

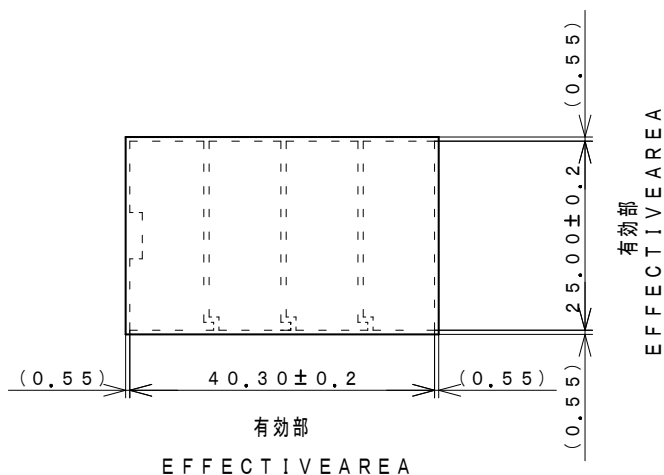
Items	Specifications(INITIAL)		
3.1 Open Circuit Voltage :Voc (開放電圧)	Typical	2.7V	(at 200Lx FL,25°C±2°C)
3.2 Short Circuit Current :Isc (短絡電流)	Typical	43.3 μA	(at 200Lx FL,25°C±2°C)
3.3 Operating Voltage & Operating Current :Vo-pe-Iope (動作特性)	Typical	1.5V—40.7 μA	(at 200Lx FL,25°C±2°C)
	Minimum	1.5V—32.6 μA	(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
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DR.	K.Oohori
CHK.	S.Kuge

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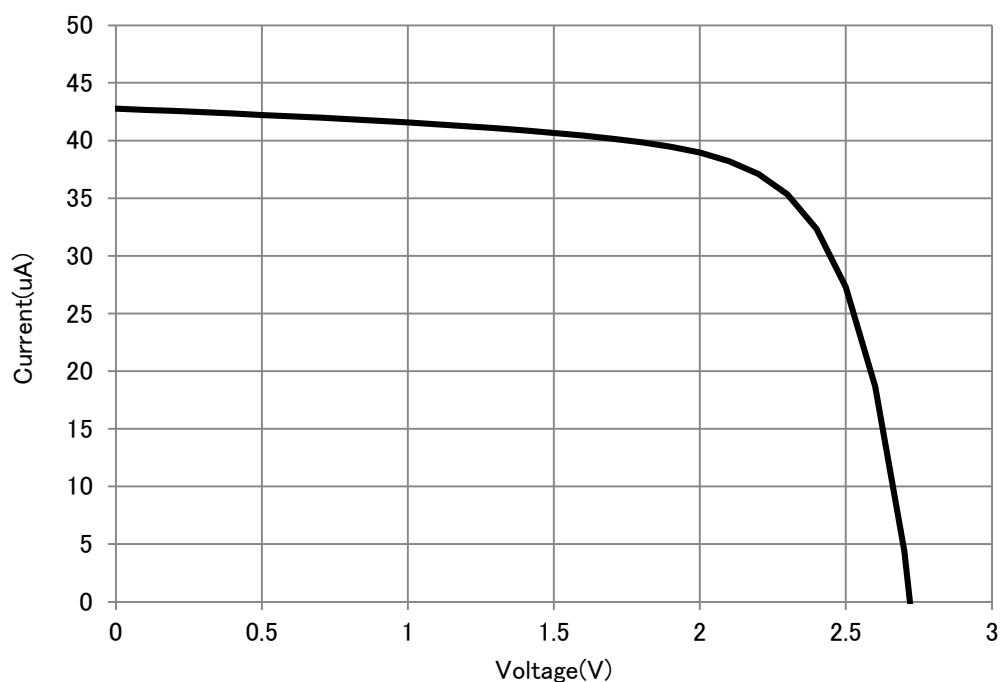


Indoor-use Amorton (Improve appearance) I-V Characteristic data

Model : A4502

Dimension : 41.4mm × 26.1mm × 1.1mm

Measurement source of light : 200Lx White Fluorescent Light



	Voc(V)	Isc(uA)	Iope(uA) Vope=1.5V	Pm(uW)	Vpm(V)	Ipm (μ A)
A4502	2.7	43.3	40.7	74.1	2.1	35.3

* Voc:Open Curcuit 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 date are meant to show a simulation date only, not intend guarantee the characteristics.