

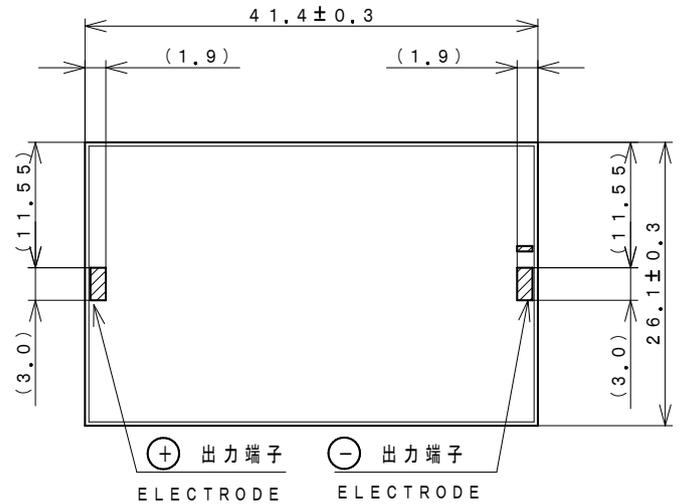
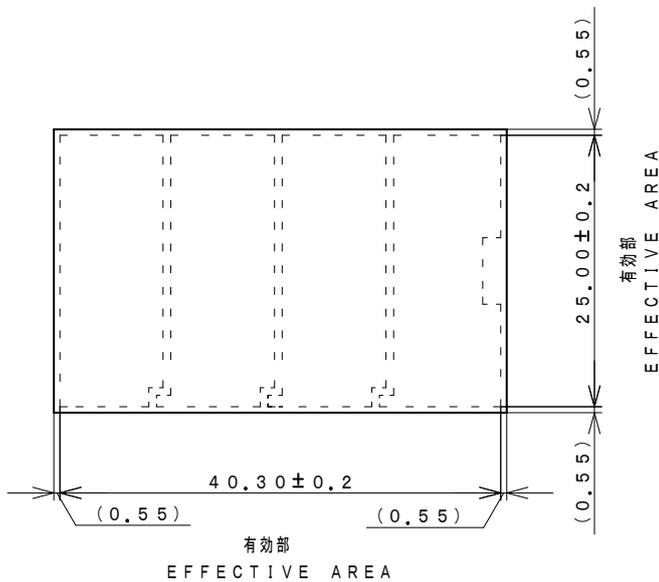
## アモルファスシリコン太陽電池 仕様

Model : AMG-1401C

## 1. Outside Dimensions 外形寸法

Light Receiving Side (受光面)

Overcoat Side (オーバーコート面)



(Dimension: mm)

## Note

Glass Substrate Thickness (ガラス基板厚) :  $1.1\text{mm} \pm 0.1$ Module Thickness (モジュール厚) :  $1.3\text{mm MAX}$ 

Solderable (半田付け可能)

2. Rated Specifications (at  $25 \pm 2^\circ\text{C}$ )

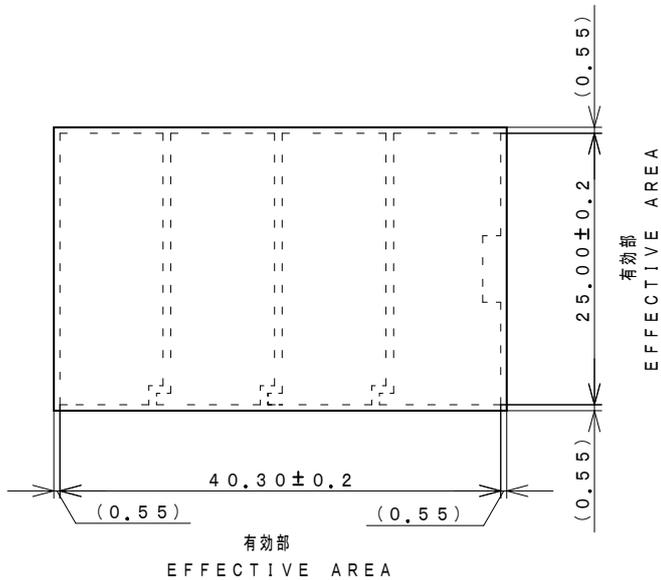
Item	Specifications (Initial)		
2.1 Open Circuit Voltage : $V_{oc}$ 開放電圧	Minimum	2.3V	at 200Lx FL
	Typical	2.7V	at 200Lx FL
2.2 Short Circuit Current : $I_{sc}$ 短絡電流	Typical	43.3 $\mu\text{A}$	at 200Lx FL
2.3 Operating Voltage & Operating Current : $V_{ope} - I_{ope}$ 動作特性	Minimum	1.5V - 34.0 $\mu\text{A}$	at 200Lx FL
	Typical	1.5V - 40.7 $\mu\text{A}$	at 200Lx FL
2.4 Maximum Power Voltage ( $V_{pm}$ ) & Maximum Power Current ( $I_{pm}$ ) 最大出力動作電圧 & 最大出力動作電流	Typical	2.1V - 35.4 $\mu\text{A}$	at 200Lx FL
2.5 Working Temperature Range : $T_{opr}$ 動作温度範囲		-10 to 60 $^\circ\text{C}$	
2.6 Storage Temperature Range : $T_{stg}$ 保存温度範囲		-20 to 70 $^\circ\text{C}$	
2.7 Working Illuminance Range 使用照度範囲		~1000Lx	

アモルファスシリコン太陽電池 仕様

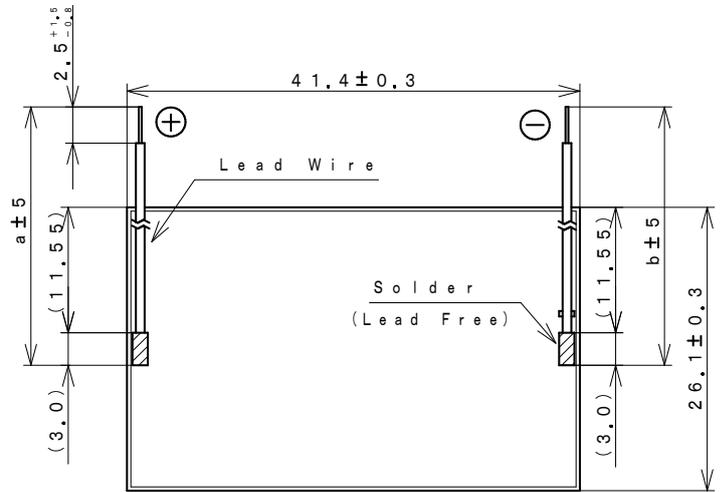
Model : AMG-1401CA

1. Outside Dimensions 外形寸法

Light Receiving Side (受光面)



Overcoat Side (オーバーコート面)



(Dimension : mm)

Lead Wires : AWG28	
a : 50	b : 50

Note

Glass Substrate Thickness (ガラス基板厚) : 1.1mm ± 0.1

Module Thickness (モジュール厚) : 1.3mm MAX

Wire-Overcoat Thickness : 2.5mm MAX (including Module)

2. Rated Specifications (at 25°C ± 2°C)

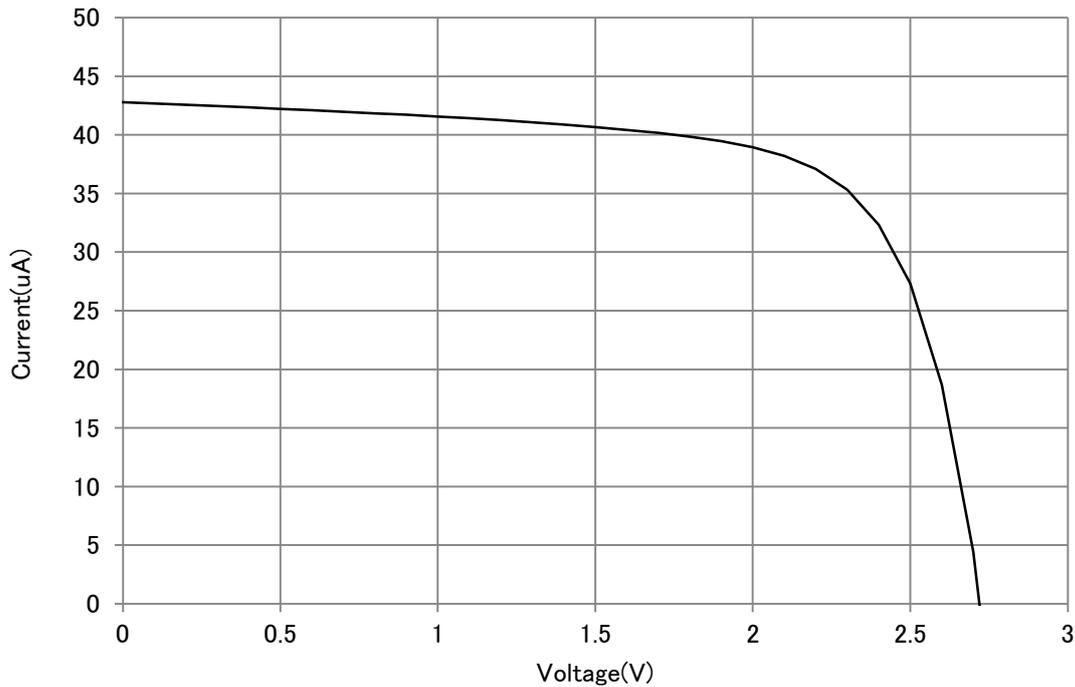
Item	Specifications (Initial)
2.1 Open Circuit Voltage : Voc 開放電圧	Minimum 2.3V at 200Lx FL Typical 2.7V at 200Lx FL
2.2 Short Circuit Current : Isc 短絡電流	Typical 43.3 μA at 200Lx FL
2.3 Operating Voltage & Operating Current : Vope - Iope 動作特性	Minimum 1.5V - 34.0 μA at 200Lx FL Typical 1.5V - 40.7 μA at 200Lx FL
2.4 Maximum Power Voltage (Vpm) & Maximum Power Current (Ipm) 最大出力動作電圧 & 最大出力動作電流	Typical 2.1V - 35.4 μA at 200Lx FL
2.5 Working Temperature Range : Topr 動作温度範囲	-10 to 60°C
2.6 Storage Temperature Range : Tstg 保存温度範囲	-20 to 70°C
2.7 Working Illuminance Range 使用照度範囲	~1000Lx

## Indoor-Use Amorton (Improve Appearance) I-V characteristic data

Model : AMG-1401C

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)
AMG-1401C	2.7	43.3	40.7	74.3	2.1	35.4

Voc: Open Circuit Voltage, Isc: Short Circuit Current  
 Iope: Operation Current, Vope: Operation Voltage  
 Pm: Maximum Power, Vpm: Maximum Power Operating Voltage  
 Ipm: Optimum Power Operating Current

\* This data only represents simulated results, and does not guarantee the actual characteristics.

# Amorton

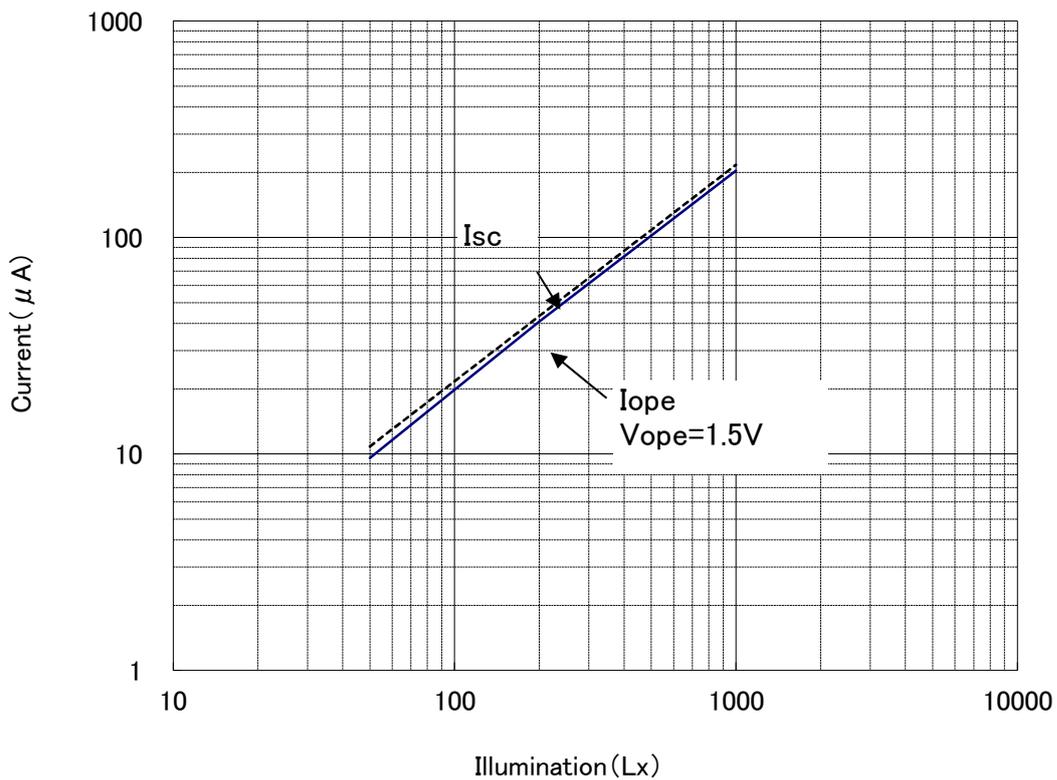
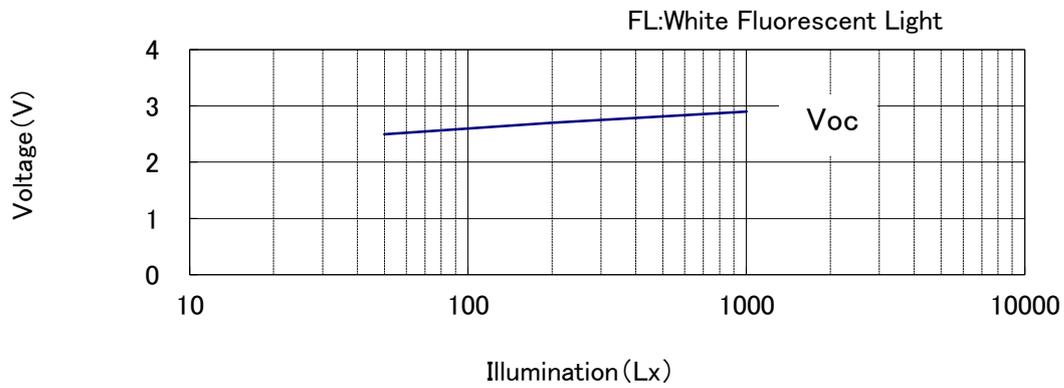
# 出力の照度依存特性

REFERENCE

## Dependence of Output on Illumination

1.Model : AMG-1401C

2.Outside Dimension : 41.4mm × 26.1mm



\* This data only represents simulated results, and does not guarantee the actual characteristics

**Amorton**

2026/2/27

# 出力の温度依存特性

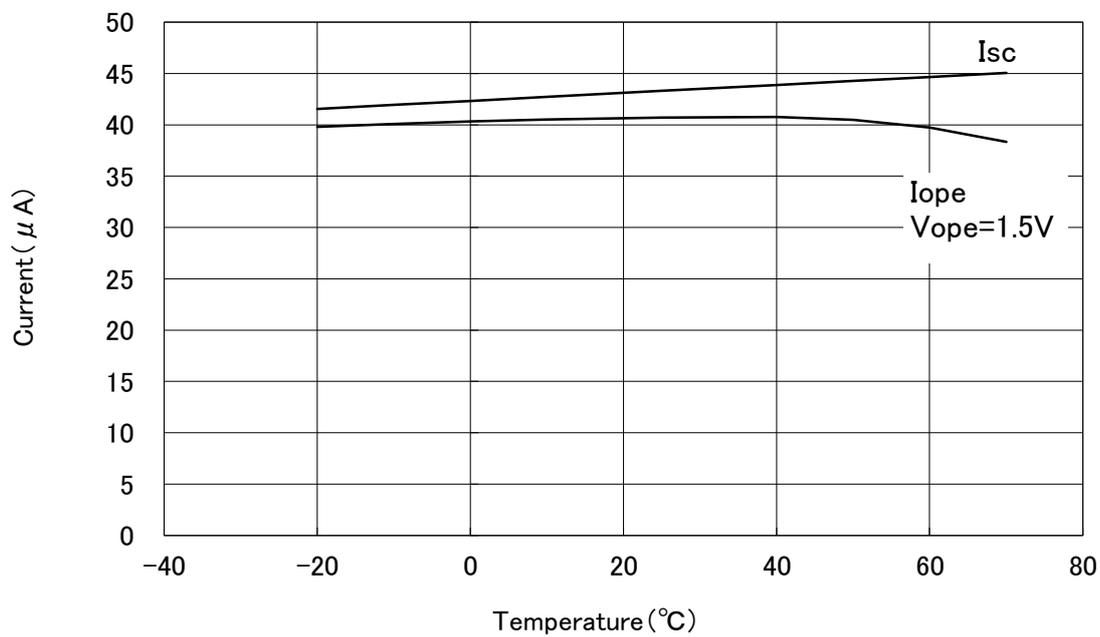
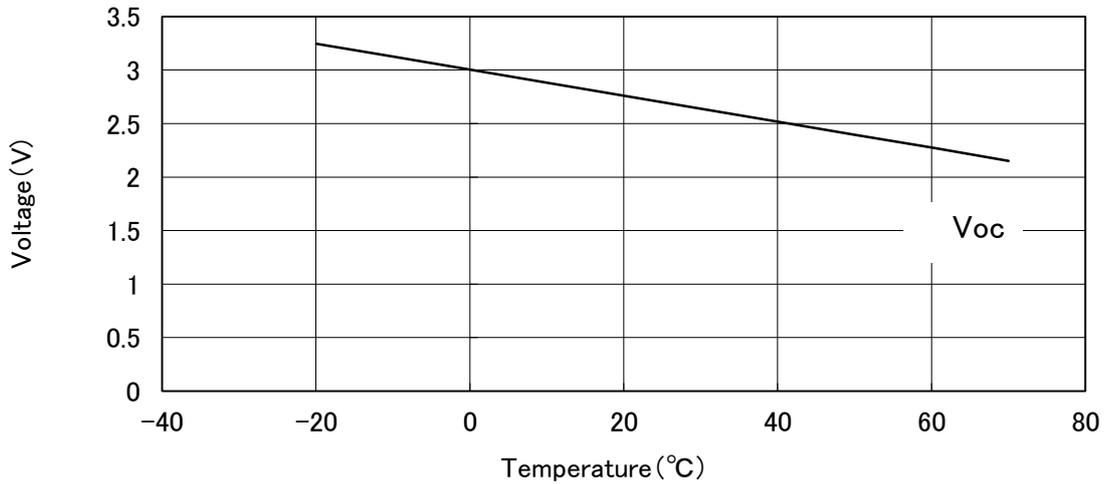
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## Dependence of Output on Temperature

1. Model AMG-1401C

2. Outside Dimension : 41.4mm × 26.1mm

at 200Lx White Fluorescent Light



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**Amorton**

2026/2/27