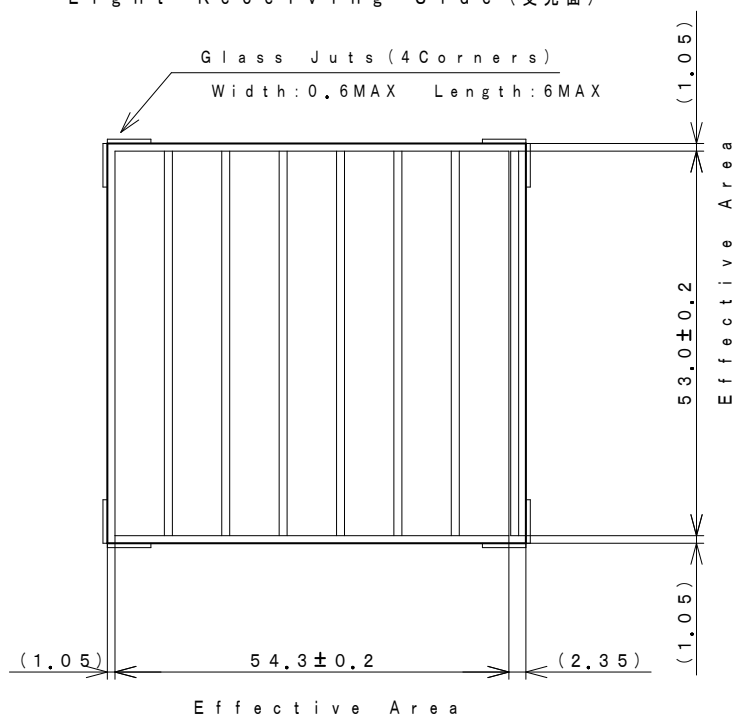


## アモルファスシリコン太陽電池 仕様

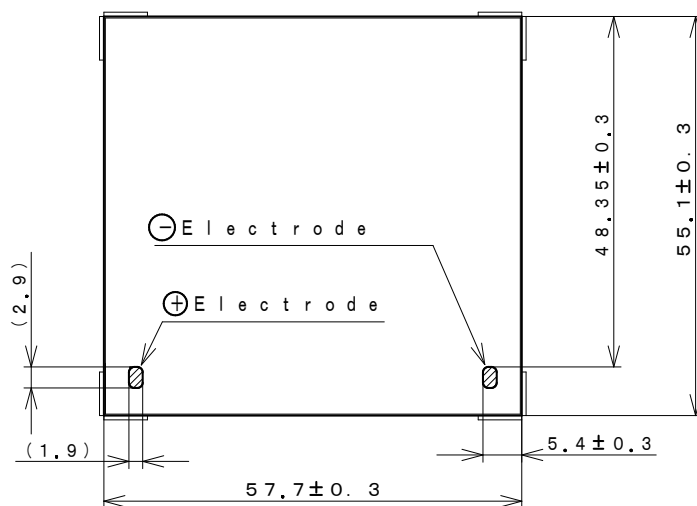
Model : AM-8701C-T

## 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) : 1.6 mm ± 0.2

Module Thickness (モジュール厚) : 2.0 mm MAX

Accepts normal soldering for bending

(一般の半田を使用してリード線付けが可能です。)

## 2. Rated Specifications (at 25℃)

| Item                                                                                                | Specifications (Initial)                                                     |
|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| 2.1 Open circuit voltage: Voc<br>開放電圧                                                               | Typical 6.0 V at 50 kLx SS                                                   |
| 2.2 Short circuit Current: Isc<br>短絡電流                                                              | Typical 23.9 mA at 50 kLx SS                                                 |
| 2.3 Operating Voltage &<br>Operating Current: Vope-Iope<br>動作特性                                     | Minimum 3.9 V - 16.8 mA at 50 kLx SS                                         |
|                                                                                                     | Typical 3.9 V - 21.0 mA at 50 kLx SS                                         |
|                                                                                                     | Typical 3.9 V - 46.6 mA at AM-1.5 100 mW/cm <sup>2</sup>                     |
| 2.4 Maximum output: Pmax &<br>optimum operating Volt: Vop<br>optimum operating Current: Iop<br>最大出力 | (reference) 90 mW Vop=4.6 V<br>Iop=19.4 mA at 50 kLx SS                      |
|                                                                                                     | (reference) 190 mW Vop=4.6 V<br>Iop=41.2 mA at AM-1.5 100 mW/cm <sup>2</sup> |
| 2.5 Working temperature range: Topr<br>動作温度範囲                                                       | -10 to 60℃                                                                   |
| 2.6 Storage temperature range: Tstg<br>保存温度範囲                                                       | -20 to 70℃                                                                   |

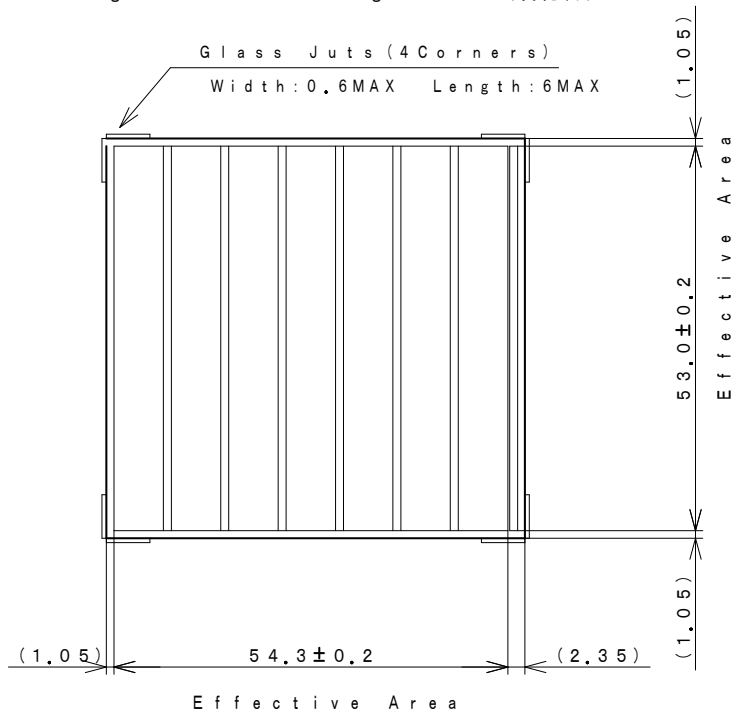
SS: Solar Simulator

## アモルファスシリコン太陽電池 仕様

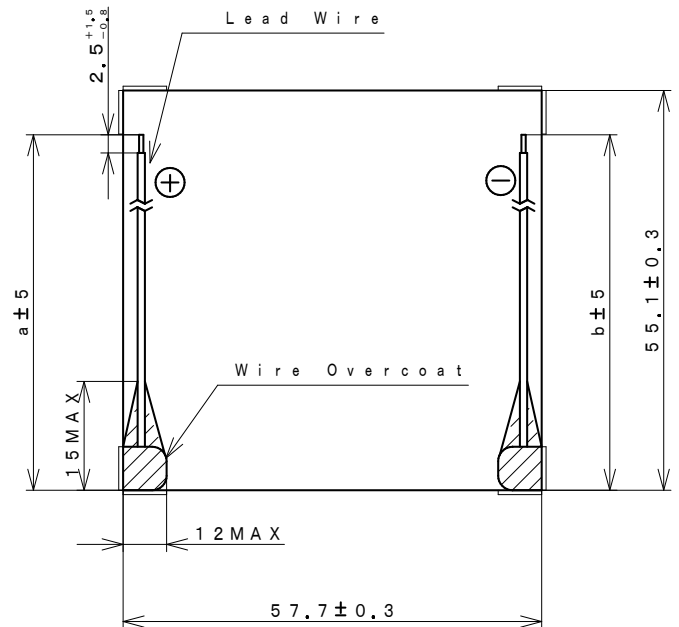
Model : AM-8701CAR-T

## 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: 105      b: 105 |

## Note

Glass Substrate Thickness (ガラス基板厚) : 1.6mm ± 0.2

Module Thickness (モジュール厚) : 2.0mm MAX

Wire-Overcoat thickness: 3.1mm MAX (including Module)  
(リード線補正コート厚)

## 2. Rated Specifications (at 25℃)

| Item                                                                                                | Specifications (Initial)                                                 |
|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| 2.1 Open circuit voltage: Voc<br>開放電圧                                                               | Typical 6.0V at 50kLx SS                                                 |
| 2.2 Short circuit Current: Isc<br>短絡電流                                                              | Typical 23.9mA at 50kLx SS                                               |
| 2.3 Operating Voltage &<br>Operating Current: Vop-Iope<br>動作特性                                      | Minimum 3.9V - 16.8mA at 50kLx SS                                        |
|                                                                                                     | Typical 3.9V - 21.0mA at 50kLx SS                                        |
|                                                                                                     | Typical 3.9V - 46.6mA at AM-1.5 100mW/cm <sup>2</sup>                    |
| 2.4 Maximum output: Pmax &<br>optimum operating Volt: Vop<br>optimum operating Current: Iop<br>最大出力 | (reference) 90mW Vop=4.6V<br>Iop=19.4mA at 50kLx SS                      |
|                                                                                                     | (reference) 190mW Vop=4.6V<br>Iop=41.2mA at AM-1.5 100mW/cm <sup>2</sup> |
| 2.5 Working temperature range: Topr<br>動作温度範囲                                                       | -10 to 60℃                                                               |
| 2.6 Storage temperature range: Tstg<br>保存温度範囲                                                       | -20 to 70℃                                                               |

SS: Solar Simulator

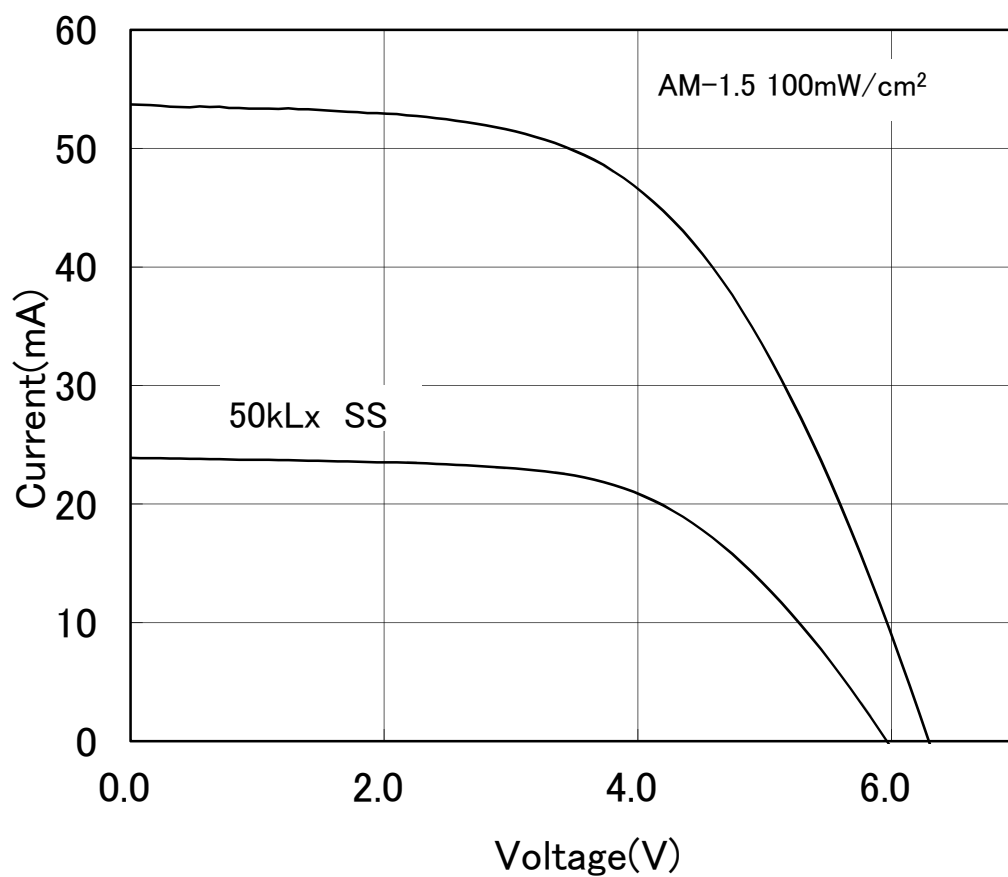
## I – V Characteristics

REFERENCE

1.Model : AM-8701

2.Outside Dimension : 57.7mm × 55.1mm

SS:Solar Simulator



\*このデータは標準的な出力特性を示すものであり、特性を保証するものではありません。

\*The data are meant to show standard electric characteristics only , not intended to guarantee the characteristics.

# 出力の照度依存特性

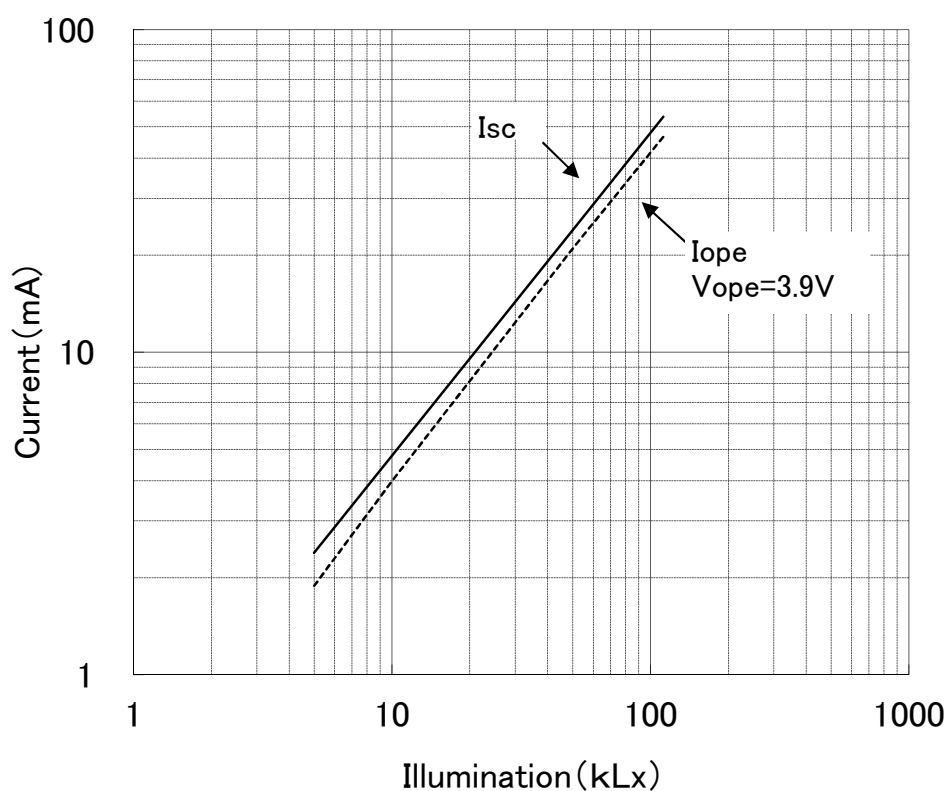
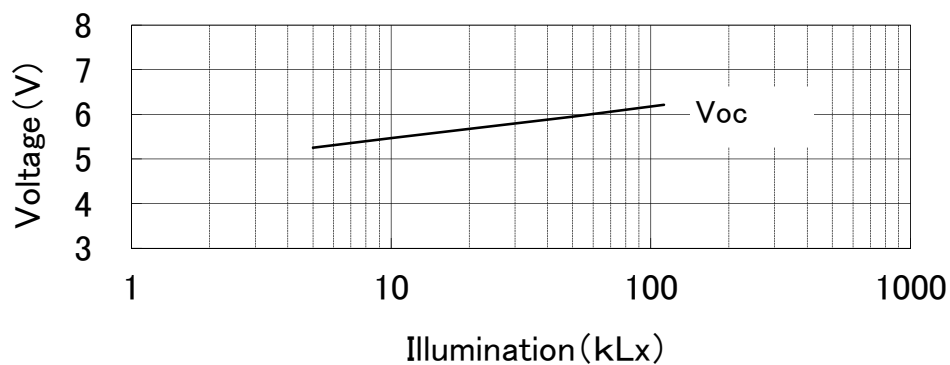
REFERENCE

Dependence of Output on Illumination

1.Model : AM-8701

2.Outside Dimension : 57.7mm × 55.1mm

SS:Solar Simulator



\*このデータは標準的な出力特性を示すものであり、特性を保証するものではありません。

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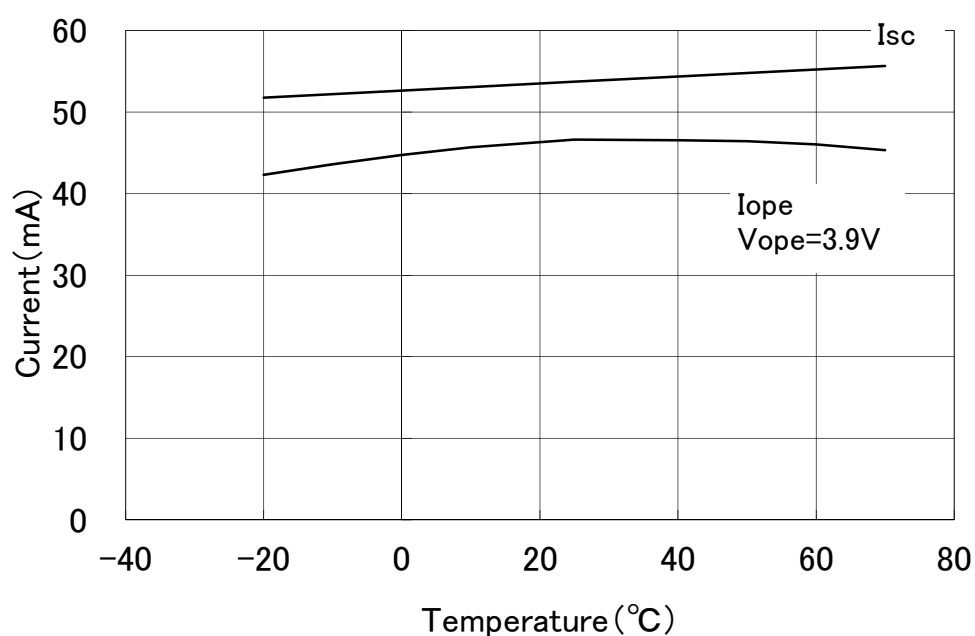
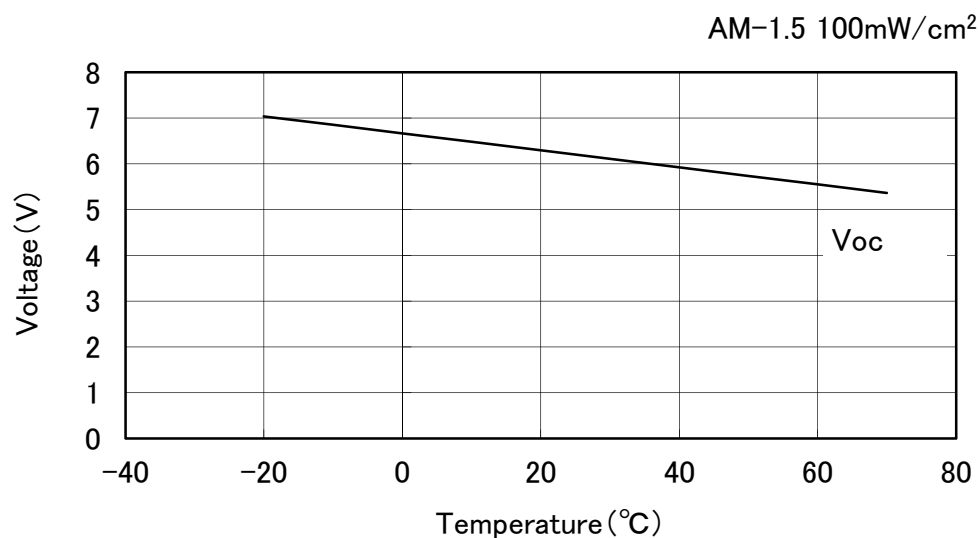
# 出力の温度依存特性

REFERENCE

Dependence of Output on Temperature

1.Model : AM-8701

2.Outside Dimension : 57.7mm × 55.1mm



\*このデータは標準的な出力特性を示すものであり、特性を保証するものではありません。

\*The data are meant to show standard electric characteristics only , not intended to guarantee the characteristics.