

# 出力の照度依存特性

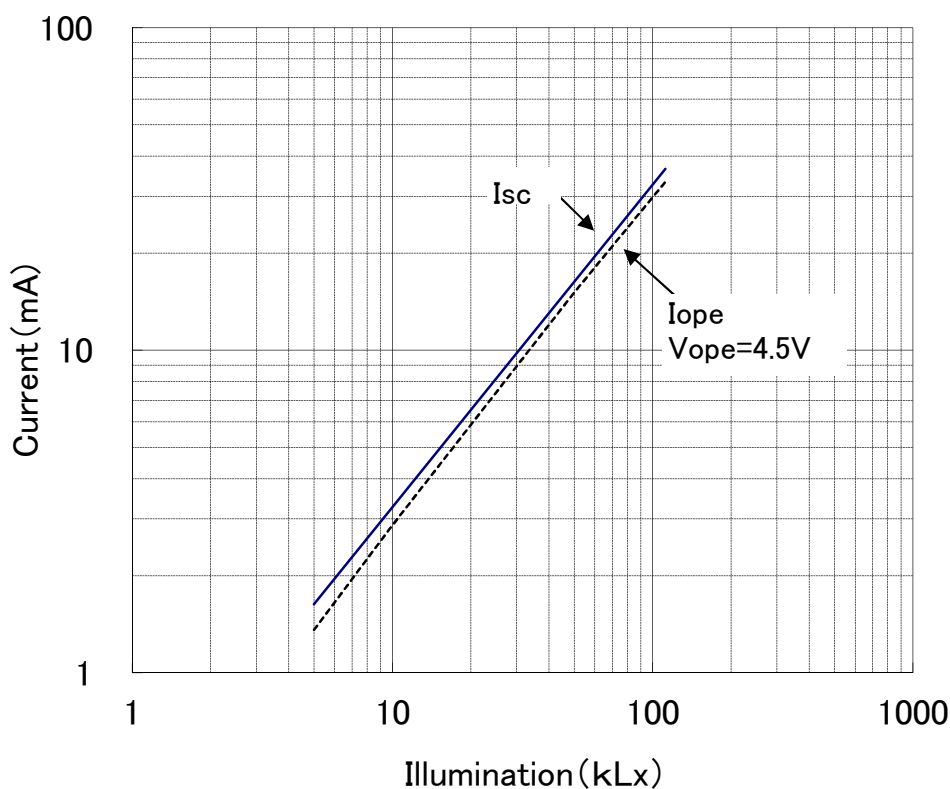
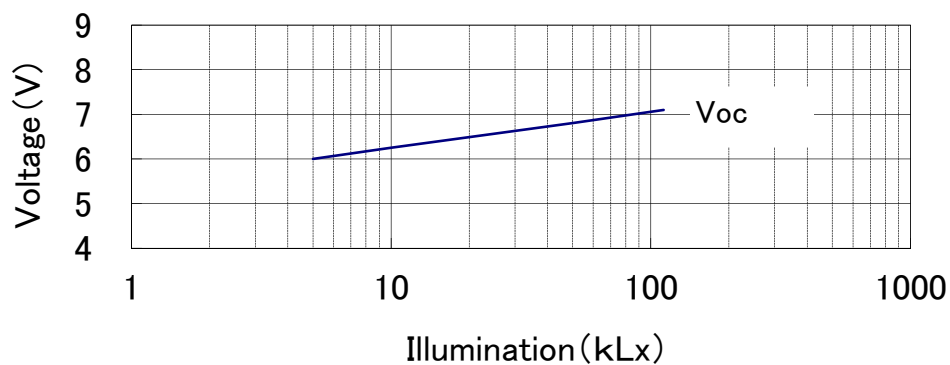
REFERENCE

Dependence of Output on Illumination

1.Model : AM-8804

2.Outside Dimension : 48.1mm × 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.

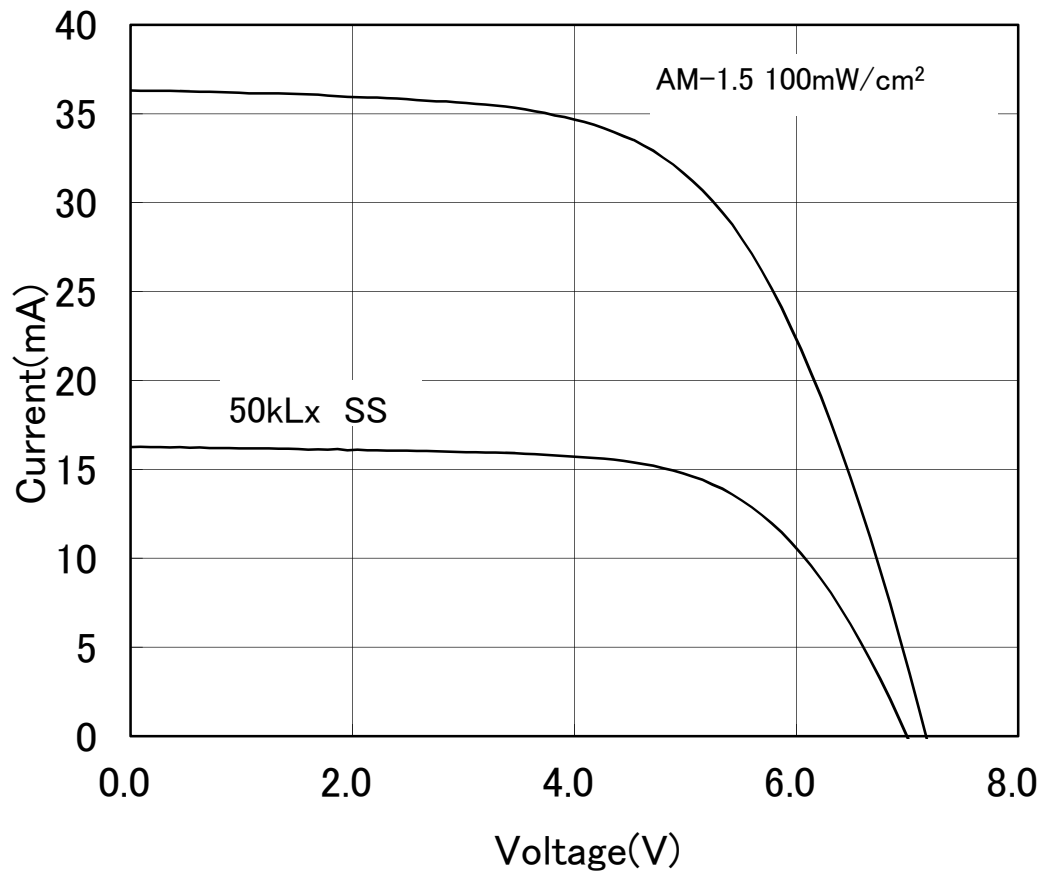
## I – V Characteristics

REFERENCE

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Panasonic Solar Amorton Co.,Ltd.

2019/7/2

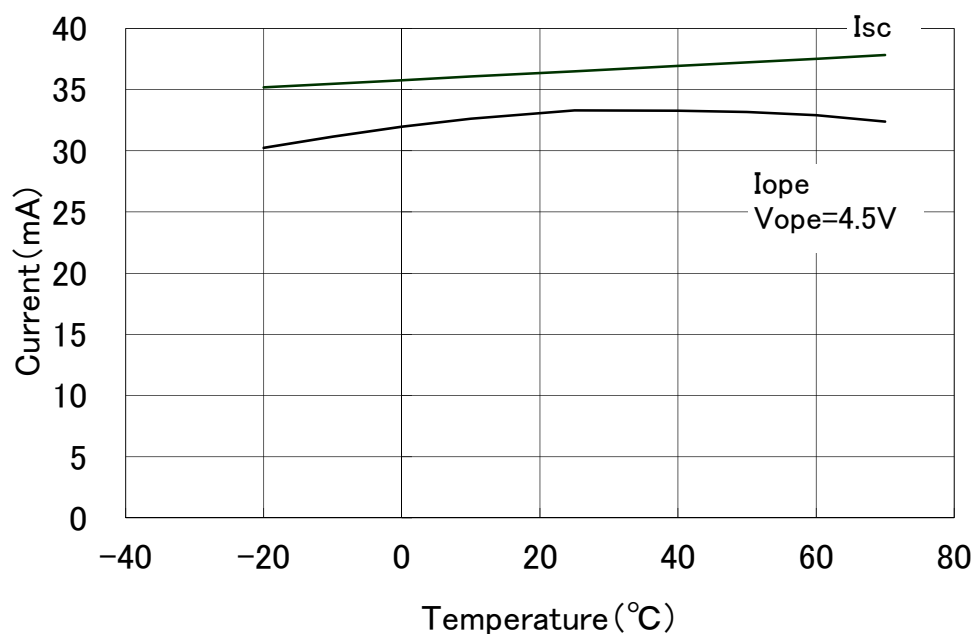
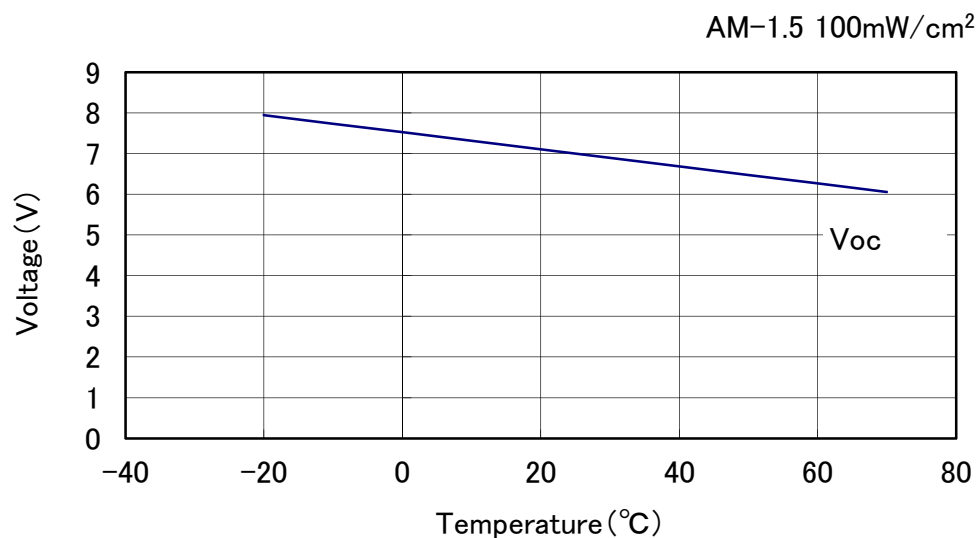
# 出力の温度依存特性

REFERENCE

Dependence of Output on Temperature

1.Model : AM-8804

2.Outside Dimension : 48.1mm × 55.1mm



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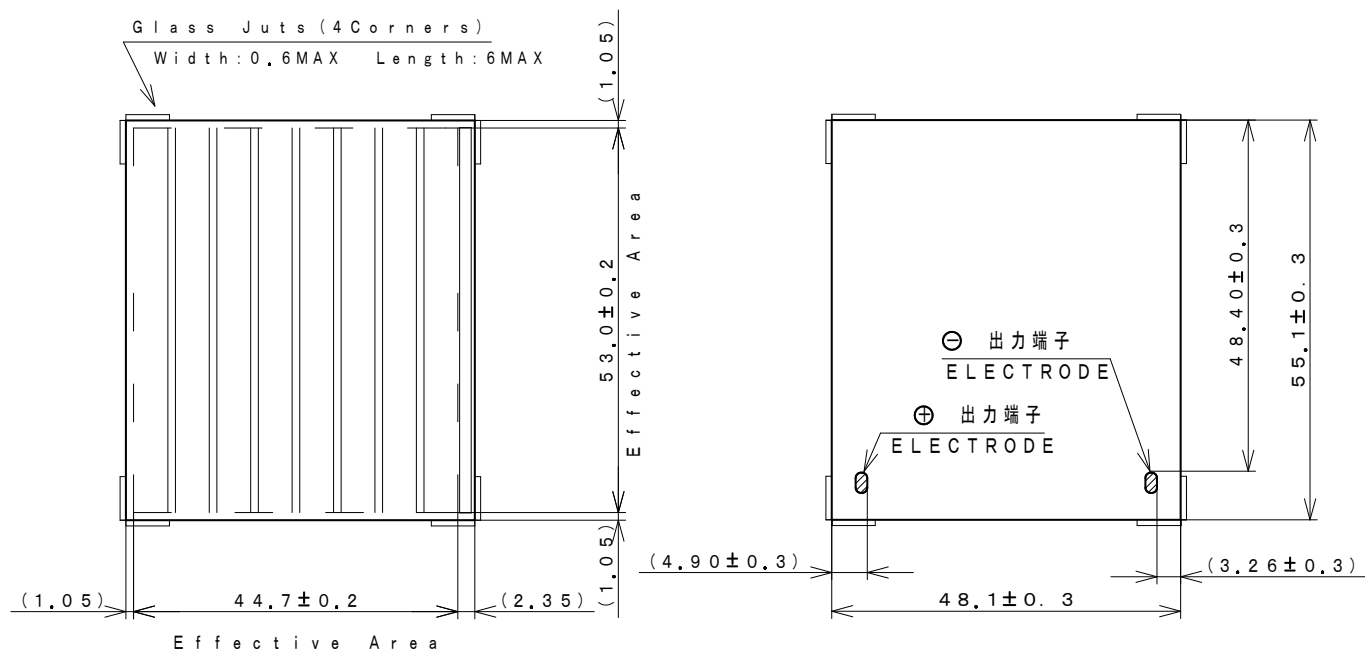
## アモルファスシリコン太陽電池 仕様

Model : AM-8804C-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                  | 6.8 V           | at 50 kLx SS                                                  |
| 2.2 Short circuit Current: Isc<br>短絡電流                                                              | Typical                  | 16.3 mA         | at 50 kLx SS                                                  |
| 2.3 Operating Voltage &<br>Operating Current: Vope-Iope<br>動作特性                                     | Typical                  | 4.5 V - 12.0 mA | at 50 kLx SS                                                  |
|                                                                                                     | Typical                  | 4.5 V - 15.1 mA | at 50 kLx SS                                                  |
|                                                                                                     | Typical                  | 4.5 V - 33.3 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)              | 7.4 mW          | Vop = 5.2 V<br>Iop = 14.2 mA at 50 kLx SS                     |
|                                                                                                     | (reference)              | 15.6 mW         | Vop = 5.2 V<br>Iop = 30.0 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℃               |                 |                                                               |

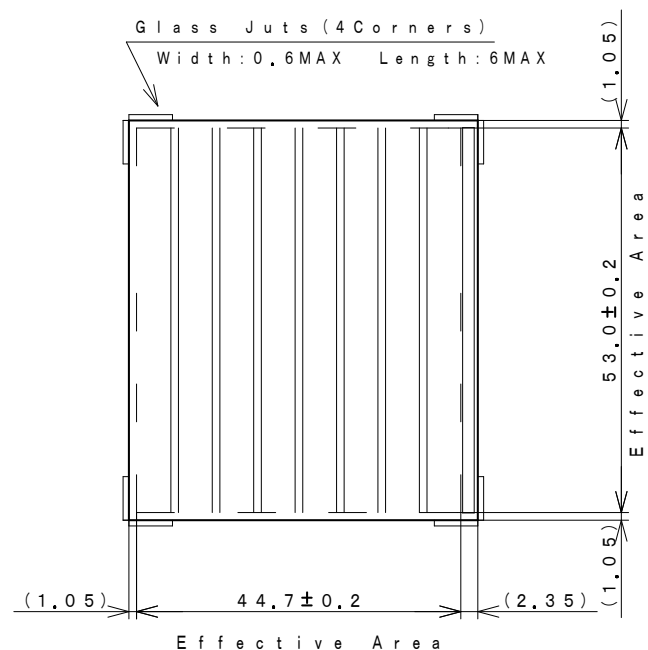
SS: Solar Simulator

## アモルファスシリコン太陽電池 仕様

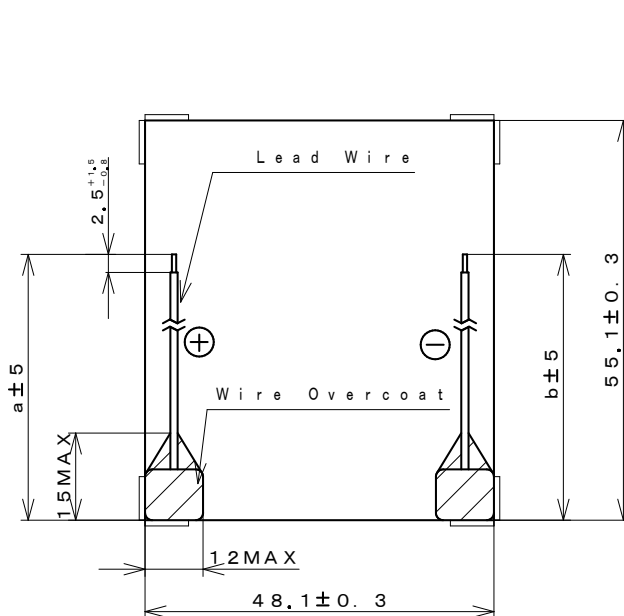
Model : AM-8804CAR-T

## 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 : AWG30 |        |
| a : 90             | b : 90 |

## 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

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

## 2. Rated Specifications (at 25℃)

| Item                                                                                                | Specifications (Initial) |                 |                                                               |
|-----------------------------------------------------------------------------------------------------|--------------------------|-----------------|---------------------------------------------------------------|
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| 2.2 Short circuit Current: Isc<br>短絡電流                                                              | Typical                  | 16.3 mA         | at 50 kLx SS                                                  |
| 2.3 Operating Voltage &<br>Operating Current: Vop-Iop<br>動作特性                                       | Typical                  | 4.5 V - 12.0 mA | at 50 kLx SS                                                  |
|                                                                                                     | Typical                  | 4.5 V - 15.1 mA | at 50 kLx SS                                                  |
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