

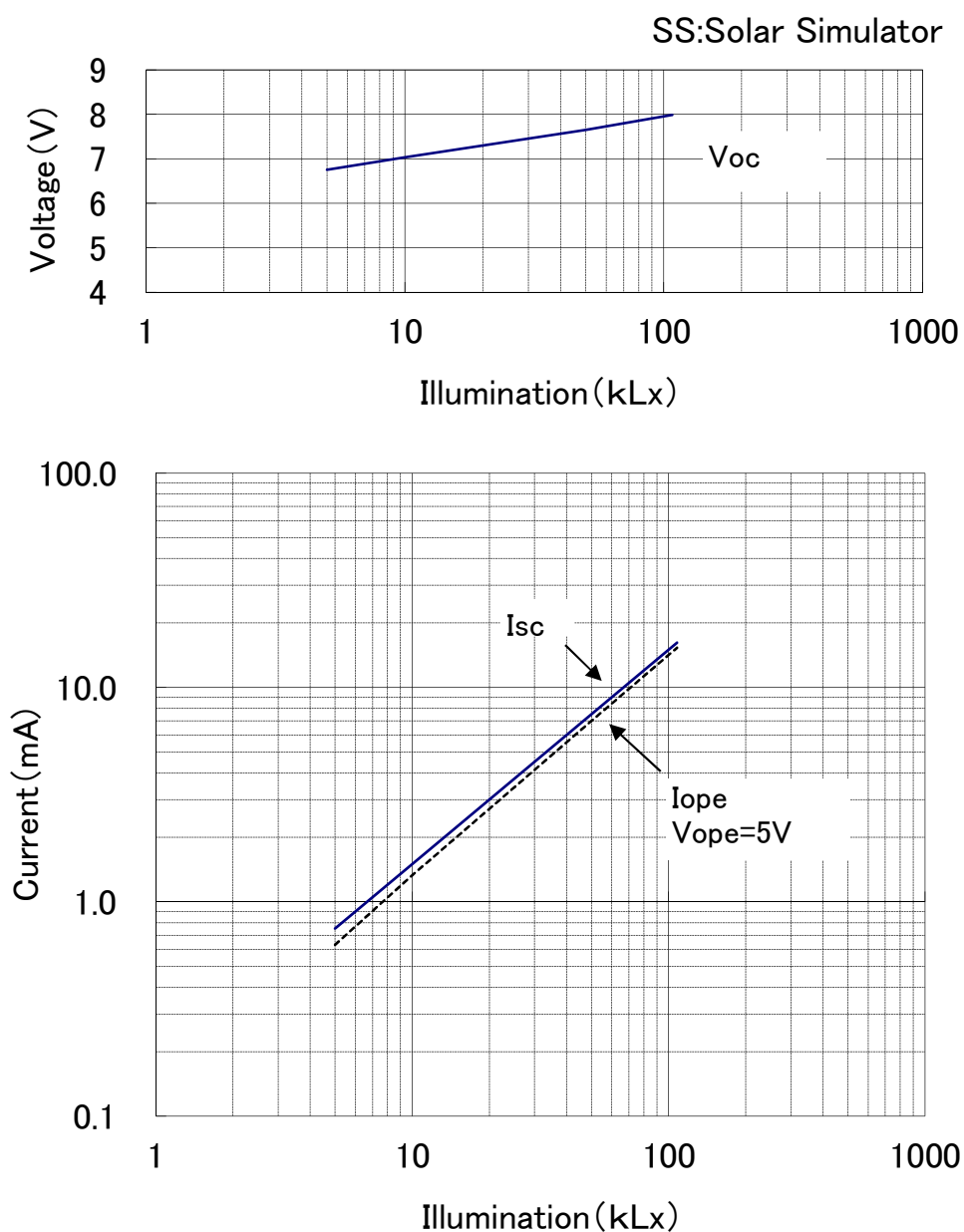
# 出力の照度依存特性

REFERENCE

Dependence of Output on Illumination

1.Model : AM-5912

2.Outside Dimension : 42.9mm × 47.2mm



\*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.

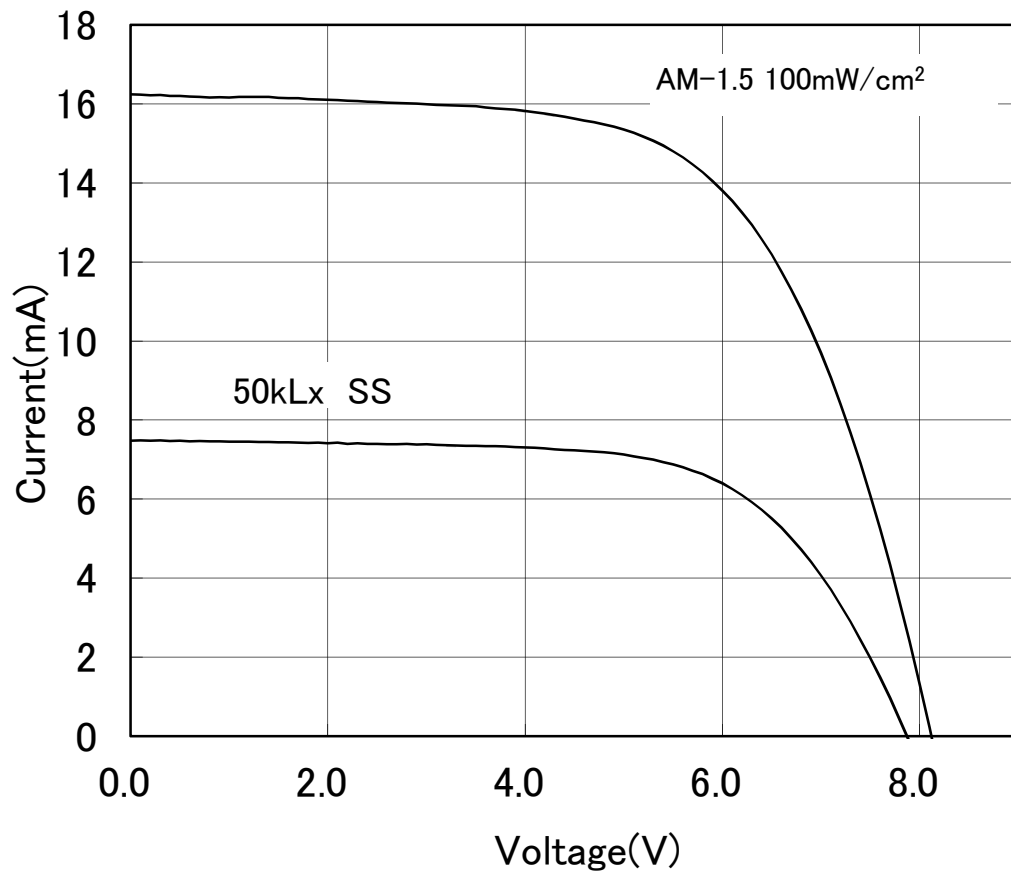
# I – V Characteristics

REFERENCE

1.Model : AM-5912

2.Outside Dimension : 42.9mm × 47.2mm

SS:Solar Simulator



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Panasonic Solar Amorton Co.,Ltd.

2019/7/2

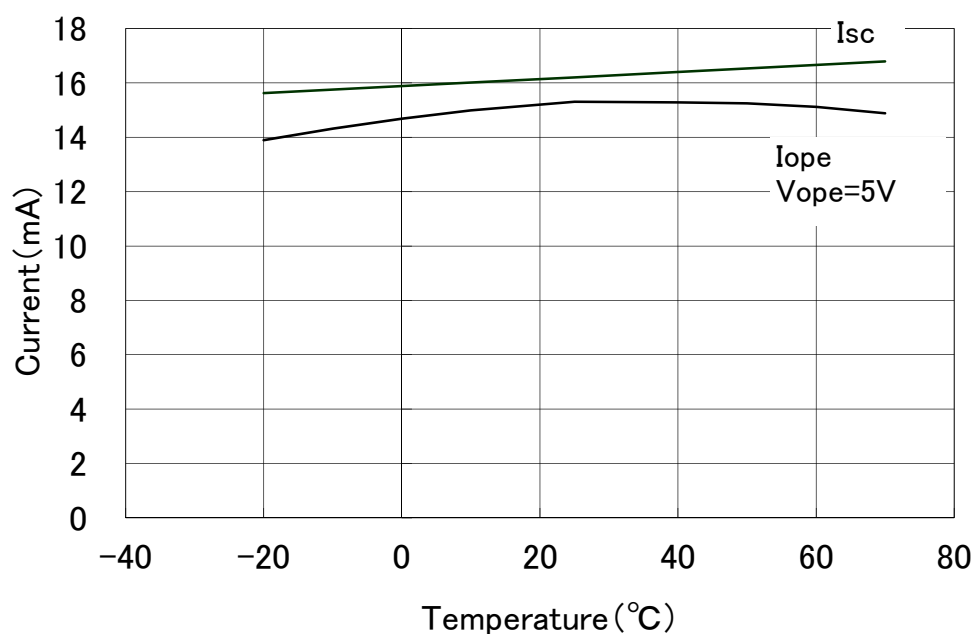
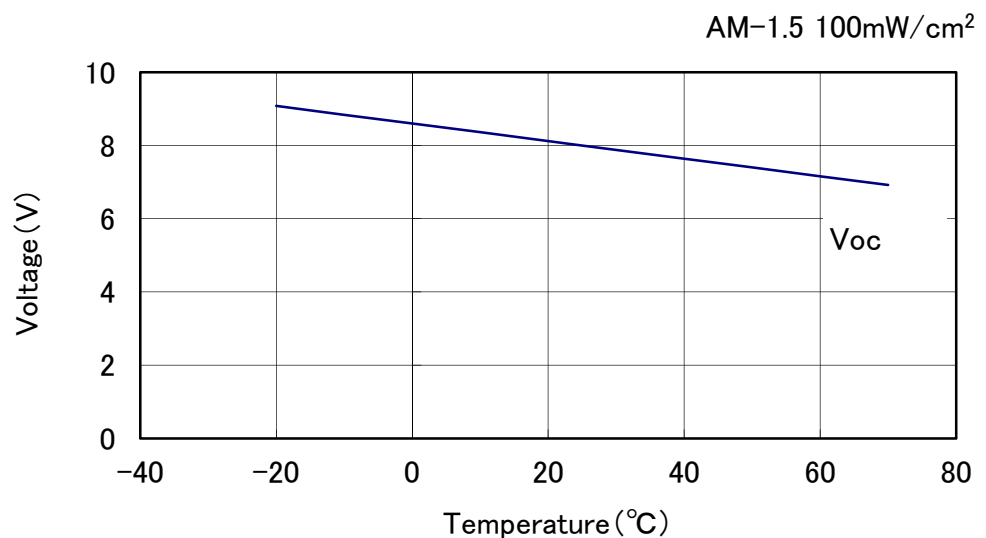
# 出力の温度依存特性

REFERENCE

Dependence of Output on Temperature

1.Model : AM-5912

2.Outside Dimension : 42.9mm × 47.2mm



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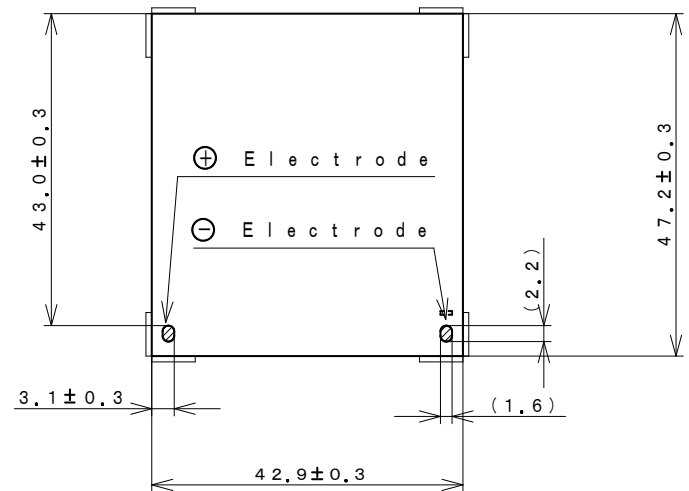
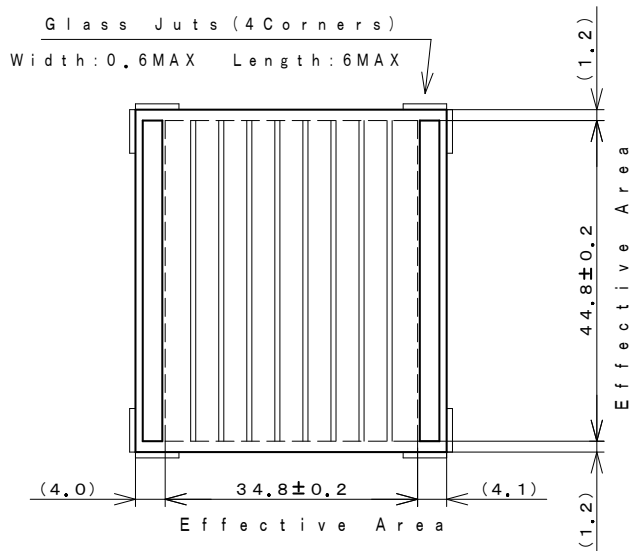
## アモルファスシリコン太陽電池 仕様

Model : AM-5912C-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) : 1.6mm ± 0.2

Module Thickness (モジュール厚) : 2.0mm MAX

Accepts normal soldering for bending

(一般の半田を使用してリット線付けが可能です。)

## 2. Rated Specifications (at 25℃)

| Item                                                                                                   | Specifications (Initial) |                 |                                                              |
|--------------------------------------------------------------------------------------------------------|--------------------------|-----------------|--------------------------------------------------------------|
| 2.1 Open circuit voltage : Voc<br>開放電圧                                                                 | Typical                  | 7.7 V           | at 50kLx SS                                                  |
| 2.2 Short circuit Current : Isc<br>短絡電流                                                                | Typical                  | 7.5 mA          | at 50kLx SS                                                  |
| 2.3 Operating Voltage &<br>Operating Current : Vope-Iope<br>動作特性                                       | Minimum                  | 4.5 V - 5.3 mA  | at 50kLx SS                                                  |
|                                                                                                        | Typical                  | 5.0 V - 7.0 mA  | at 50kLx SS                                                  |
|                                                                                                        | Typical                  | 5.0 V - 15.3 mA | 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)              | 38 mW           | Vop = 5.9 V<br>Iop = 6.4 mA at 50kLx SS                      |
|                                                                                                        | (reference)              | 80 mW           | Vop = 5.9 V<br>Iop = 13.6 mA 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℃               |                 |                                                              |

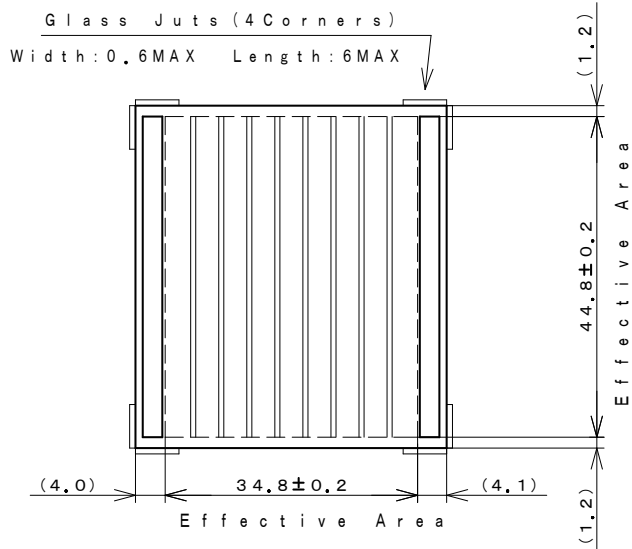
SS: Solar Simulator

## アモルファスシリコン太陽電池 仕様

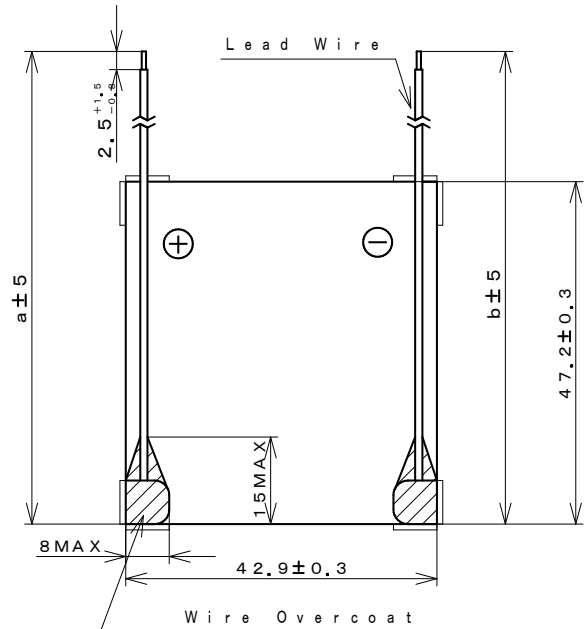
Model : AM-5912CAR-T

## 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 : 71             | b : 71 |

## 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                  | 7.7 V           | at 50kLx SS                                                  |
| 2.2 Short circuit Current: Isc<br>短絡電流                                                              | Typical                  | 7.5 mA          | at 50kLx SS                                                  |
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|                                                                                                     | Typical                  | 5.0 V - 7.0 mA  | at 50kLx SS                                                  |
|                                                                                                     | Typical                  | 5.0 V - 15.3 mA | at AM-1.5 100mW/cm <sup>2</sup>                              |
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|                                                                                                     | (reference)              | 80 mW           | Vop = 5.9 V<br>Iop = 13.6 mA 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℃               |                 |                                                              |