

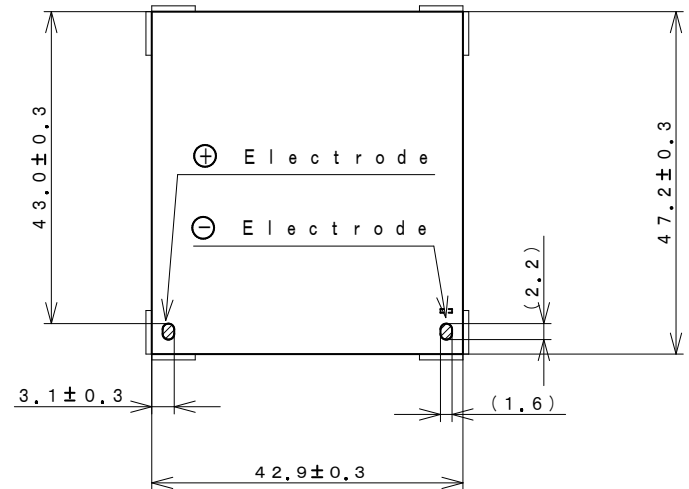
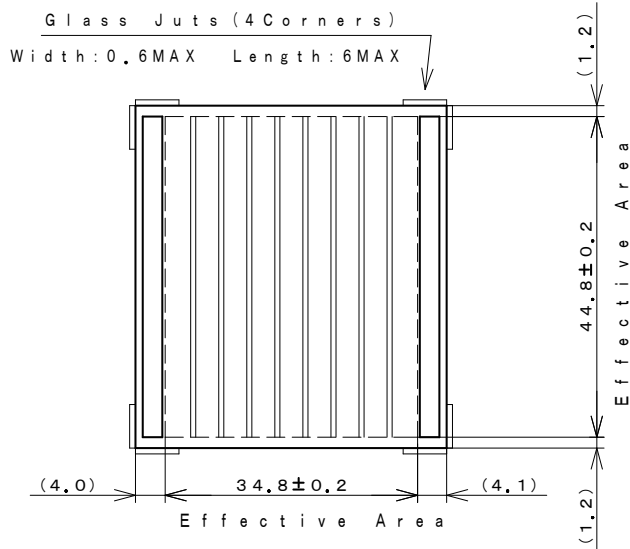
アモルファスシリコン太陽電池 仕様

Model : AM-5912C-T

1. Outside dimensions 外形寸法

Light Receiving Side (受光面)

Overcoat Side (オーハークート面)



(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 開放電圧 | Typical | 7.7V | at 50kLx SS |
| 2.2 Short circuit Current : Isc 短絡電流 | Typical | 7.5mA | at 50kLx SS |
| 2.3 Operating Voltage & Operating Current : Vope - Iope 動作特性 | Minimum | 4.5V - 5.3mA | at 50kLx SS |
| | Typical | 5.0V - 7.0mA | at 50kLx SS |
| | Typical | 5.0V - 15.3mA | at AM-1.5 100mW/cm ² |
| 2.4 Maximum output : Pmax & optimum operating Volt : Vop optimum operating Current : Iop 最大出力 | (reference) | 38mW | Vop = 5.9V Iop = 6.4mA at 50kLx SS |
| | (reference) | 80mW | Vop = 5.9V Iop = 13.6mA at AM-1.5 100mW/cm ² |
| 2.5 Working temperature range : Topr 動作温度範囲 | | -10 to 60℃ | |
| 2.6 Storage temperature range : Tstg 保存温度範囲 | | -20 to 70℃ | |

SS: Solar Simulator

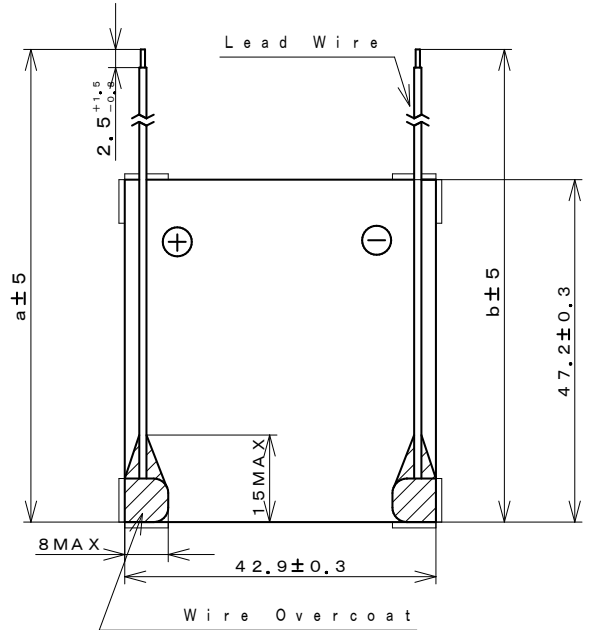
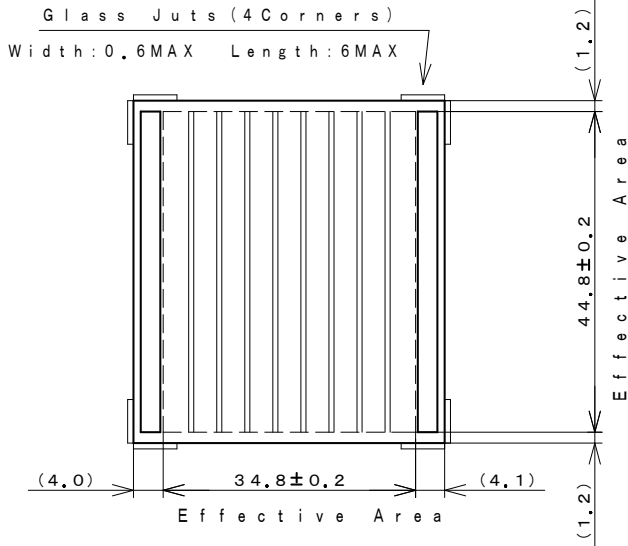
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Model : AM-5912CAR-T

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°C)

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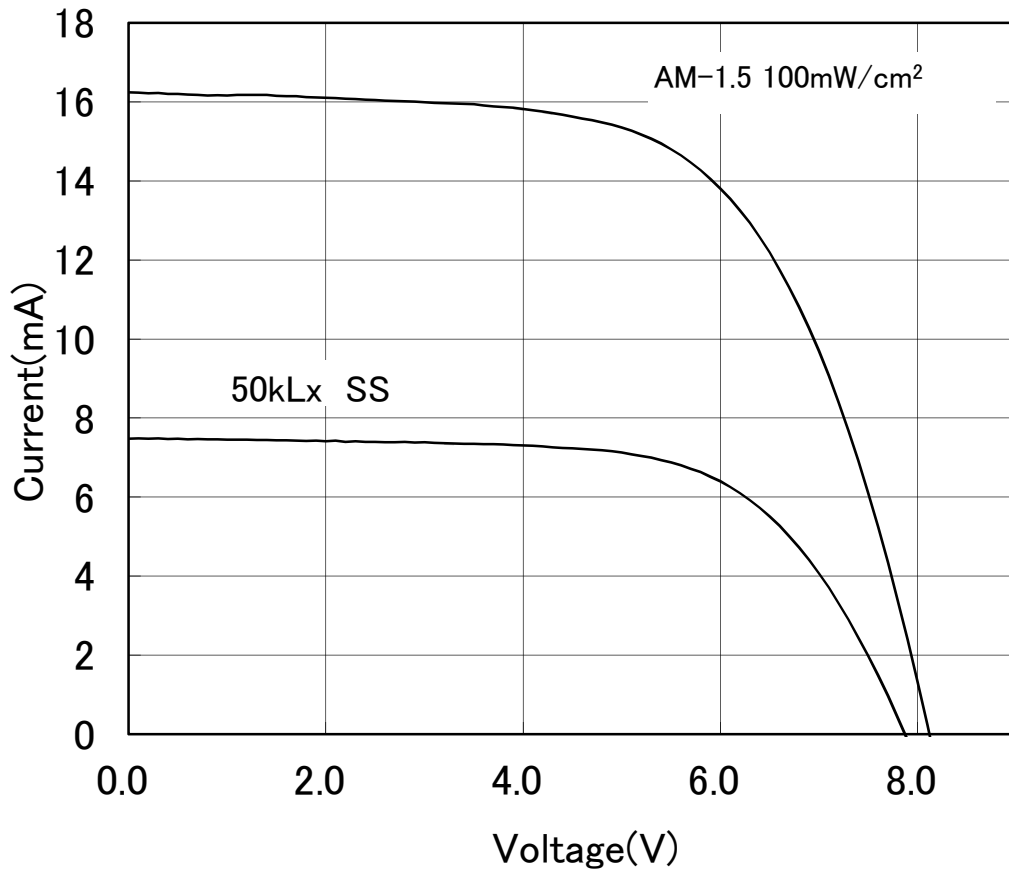
I - V Characteristics

REFERENCE

1.Model : AM-5912

2.Outside Dimension : 42.9mm × 47.2mm

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.

Panasonic Solar Amorton Co.,Ltd.

2019/7/2

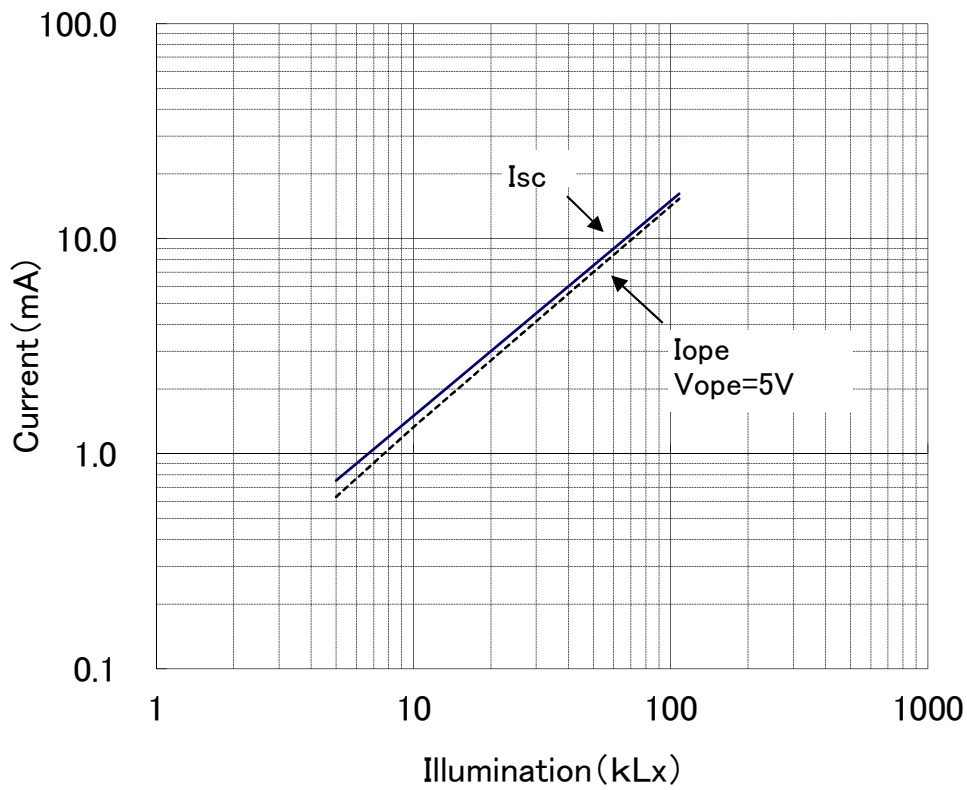
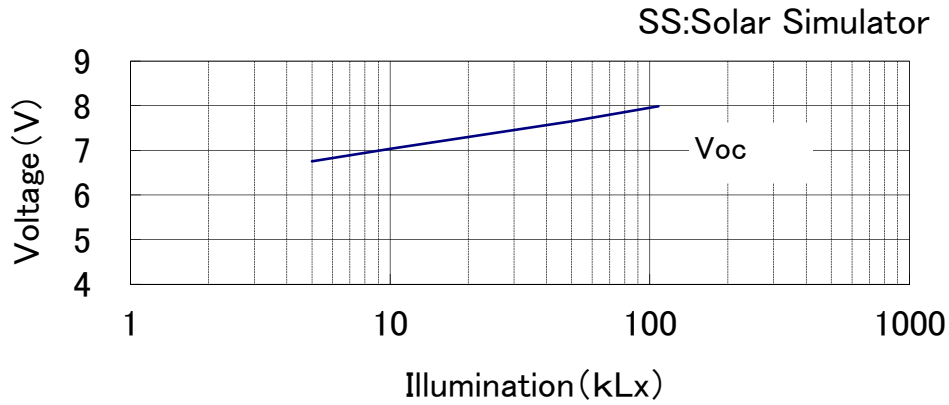
出力の照度依存特性

REFERENCE

Dependence of Output on Illumination

1.Model : AM-5912

2.Outside Dimension : 42.9mm × 47.2mm



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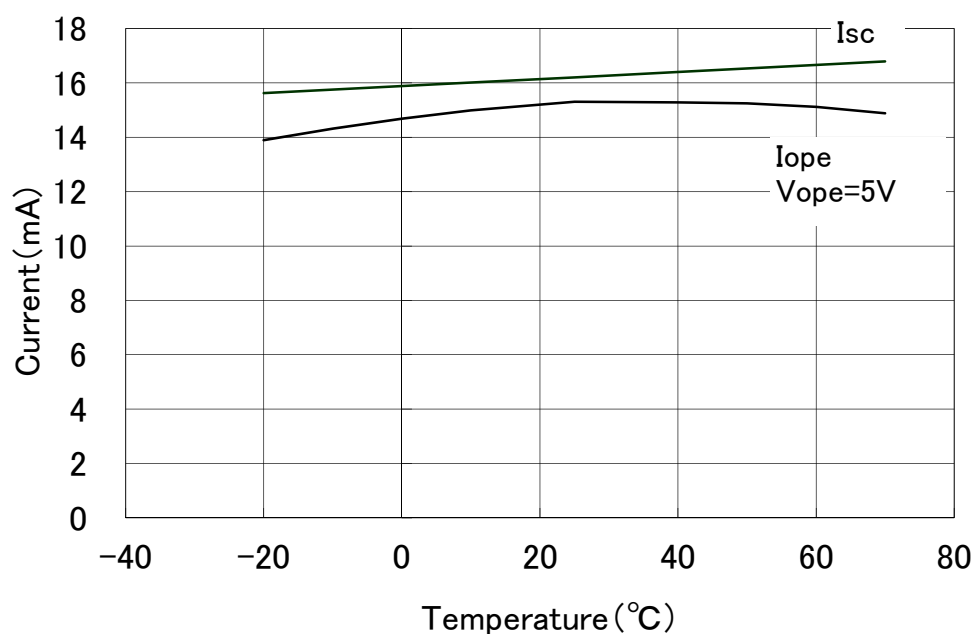
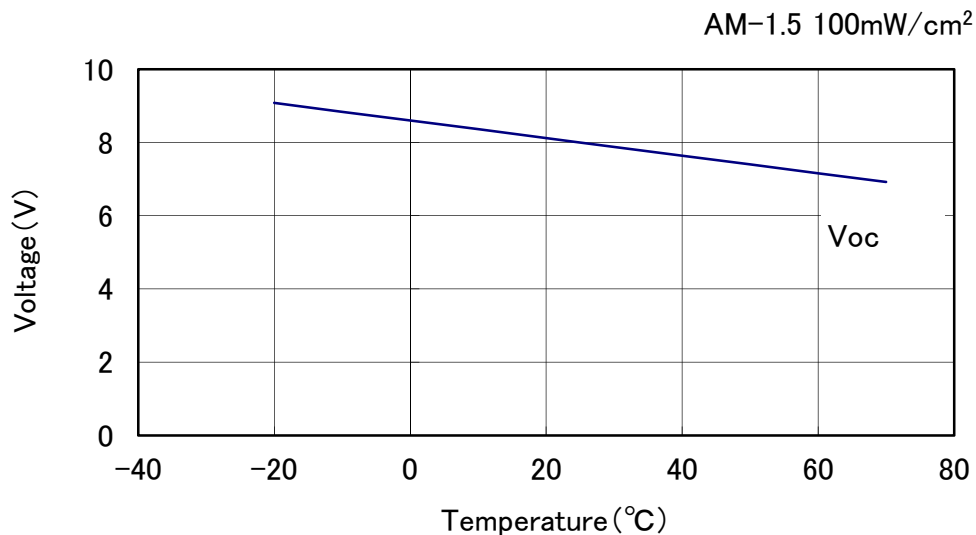
出力の温度依存特性

REFERENCE

Dependence of Output on Temperature

1.Model : AM-5912

2.Outside Dimension : 42.9mm × 47.2mm



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