

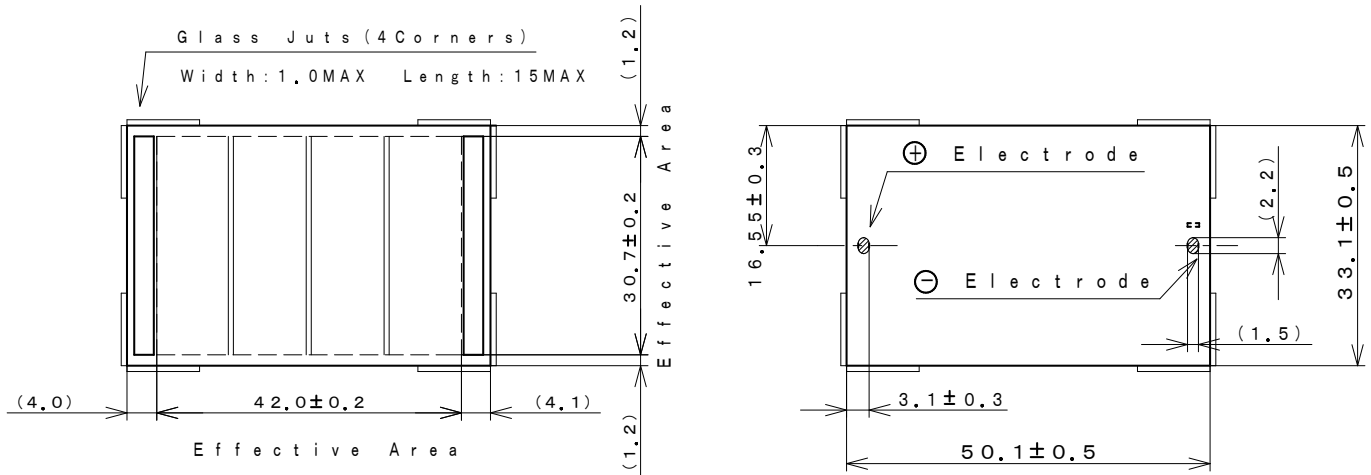
アモルファスシリコン太陽電池 仕様

Model : AM-5412C-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) : 2.0mmMAX

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 開放電圧	Typical 3.4V at 50kLx SS
2.2 Short circuit Current: Isc 短絡電流	Typical 19.4mA at 50kLx SS
2.3 Operating Voltage & Operating Current: Vope-Iope 動作特性	Minimum 2.0V - 13.5mA at 50kLx SS
	Typical 2.2V - 17.9mA at 50kLx SS
	Typical 2.2V - 39.8mA 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) 44mW Vop=2.6V Iop=16.9mA at 50kLx SS
	(reference) 93mW Vop=2.6V Iop=35.8mA 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

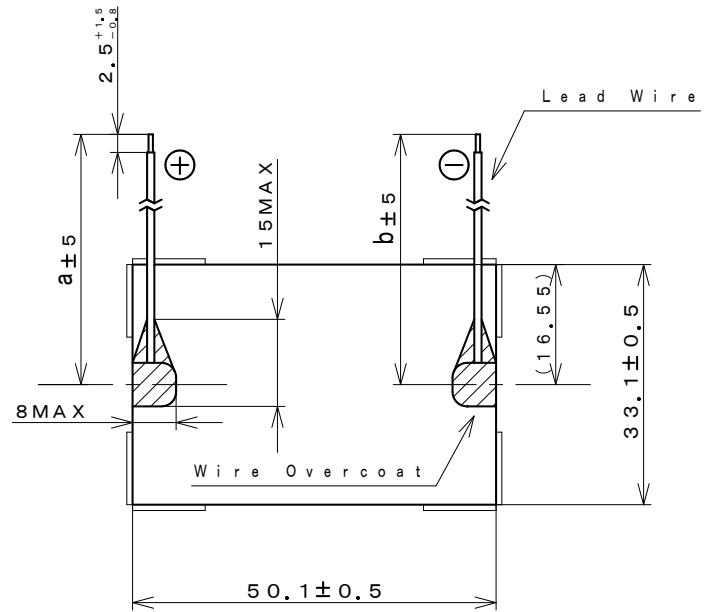
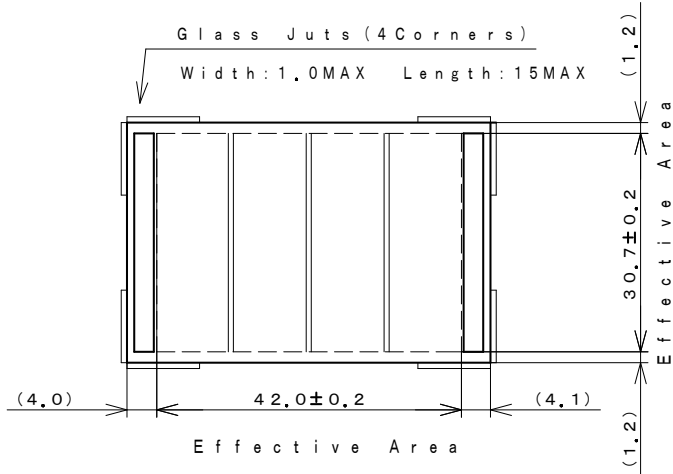
アモルファスシリコン太陽電池 仕様

Model : AM-5412CAR-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 : 100	b : 100

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)

Item	Specifications (Initial)
2.1 Open circuit voltage : Voc 開放電圧	Typical 3.4 V at 50kLx SS
2.2 Short circuit Current : Isc 短絡電流	Typical 19.4 mA at 50kLx SS
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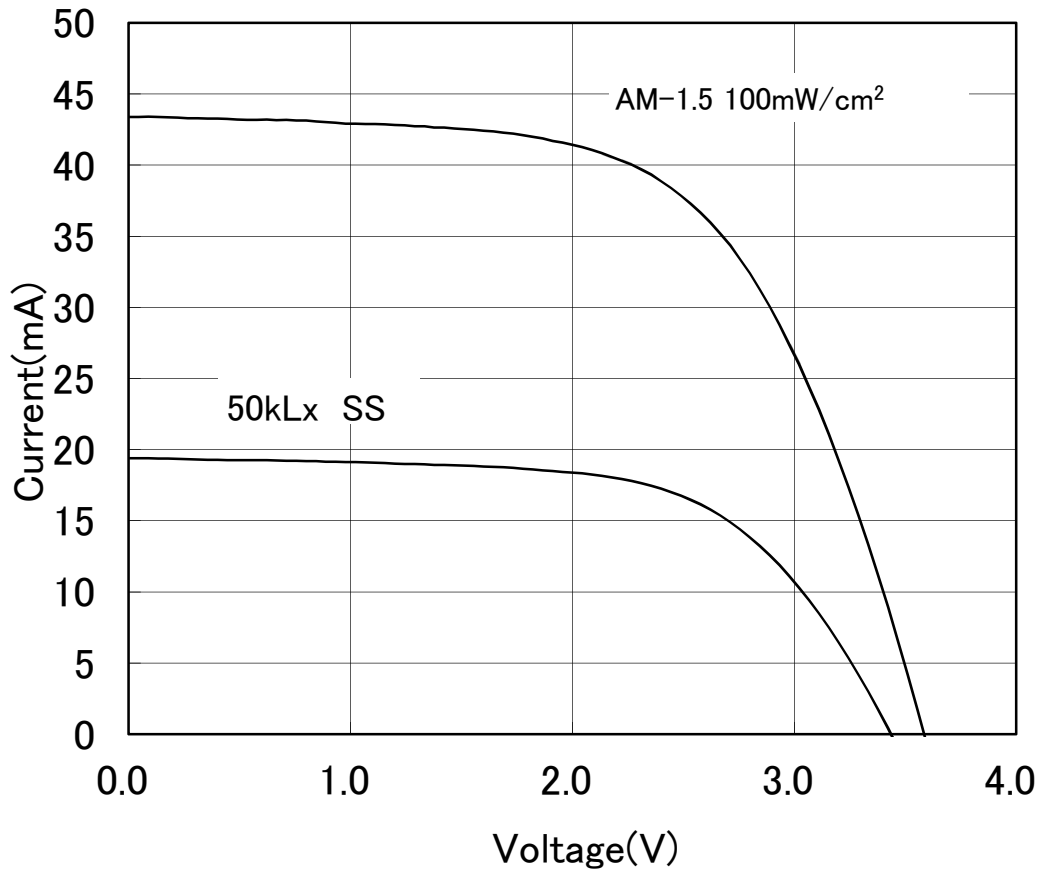
I - V Characteristics

REFERENCE

1.Model : AM-5412

2.Outside Dimension : 50.1mm × 33.1mm

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.

Panasonic Solar Amorton Co.,Ltd.

2019/5/23

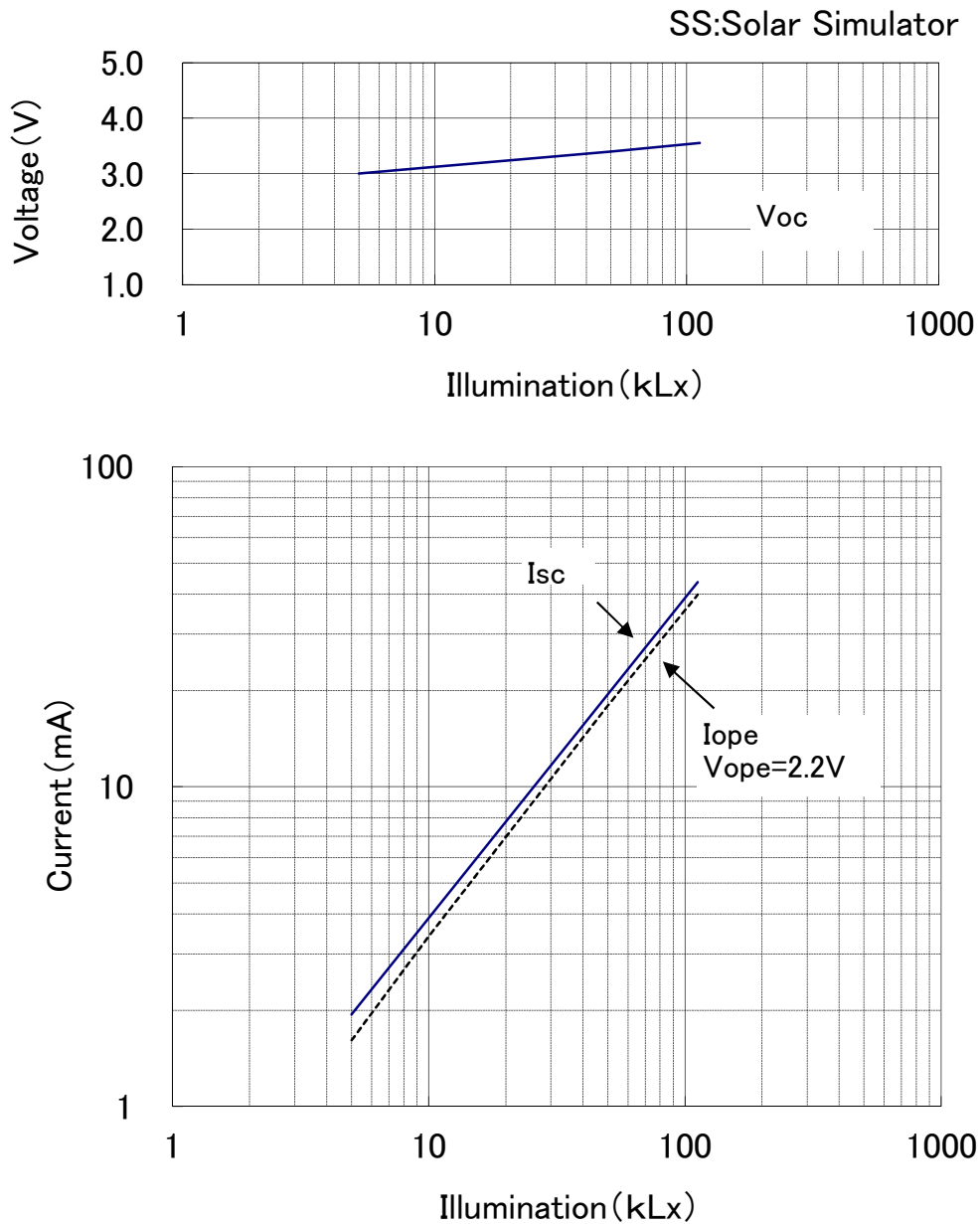
出力の照度依存特性

REFERENCE

Dependence of Output on Illumination

1.Model : AM-5412

2.Outside Dimension : 50.1mm × 33.1mm



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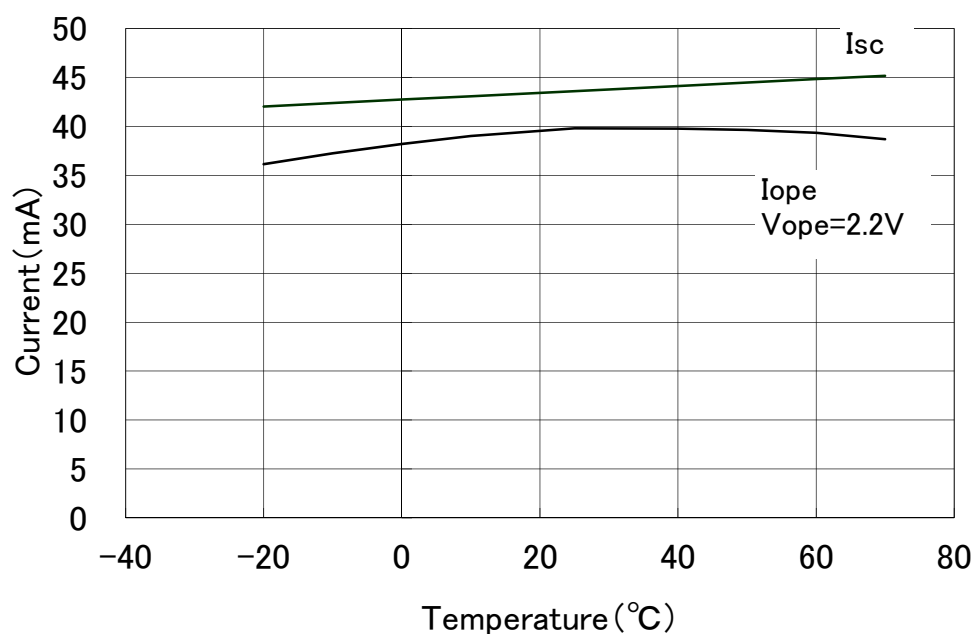
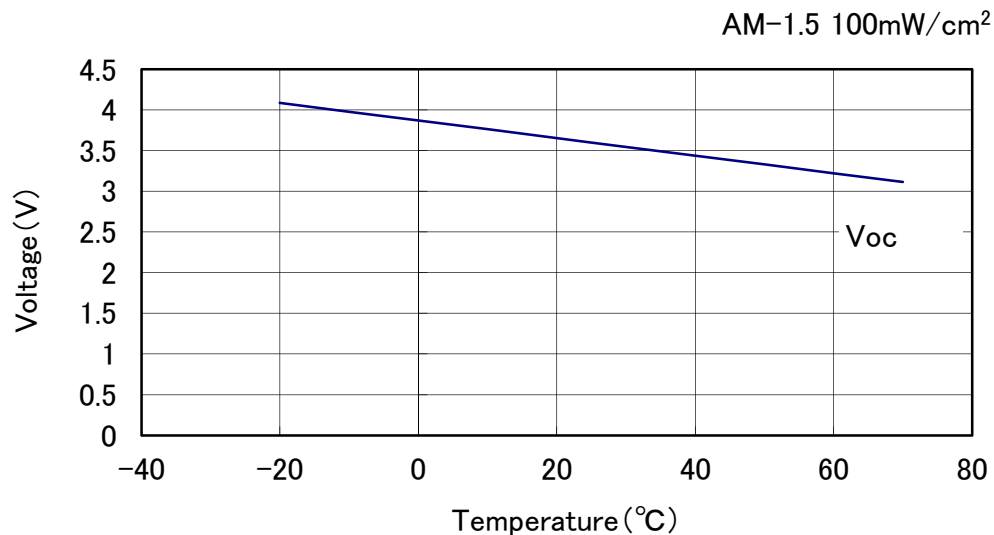
出力の温度依存特性

REFERENCE

Dependence of Output on Temperature

1.Model : AM-5412

2.Outside Dimension : 50.1mm × 33.1mm



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