

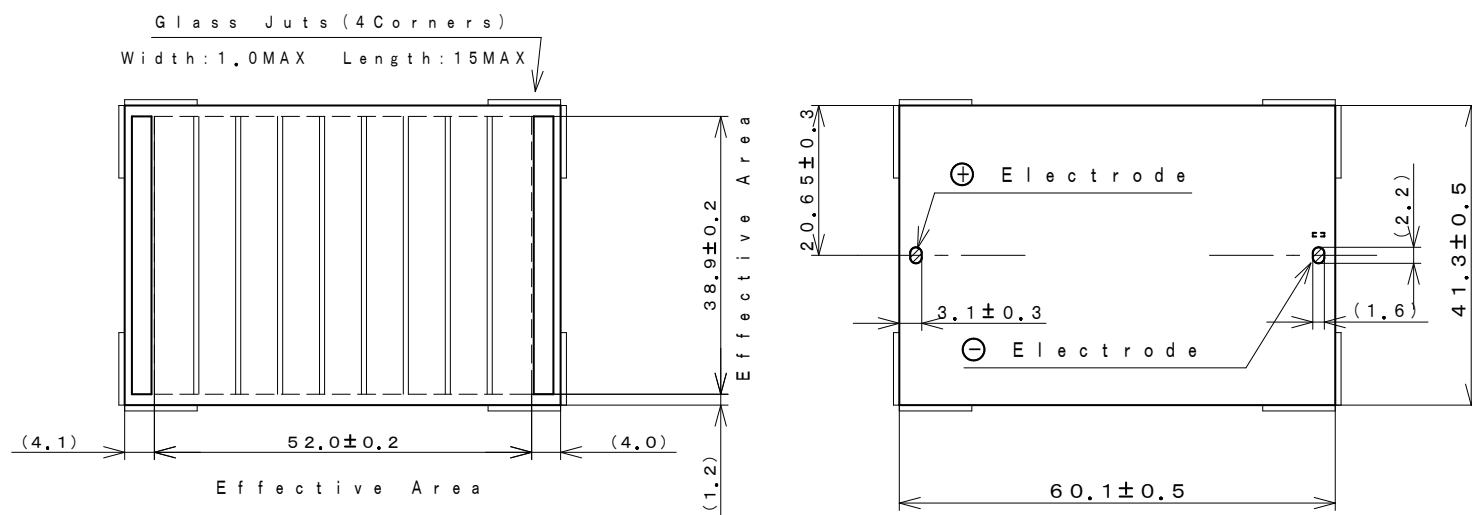
アモルファスシリコン太陽電池 仕様

Model : AM-5909C-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 7.7 V at 50 kLx SS
2.2 Short circuit Current: Isc 短絡電流	Typical 10.9 mA at 50 kLx SS
2.3 Operating Voltage & Operating Current: Vop-Iope 動作特性	Minimum 4.5 V - 7.8 mA at 50 kLx SS
	Typical 5.0 V - 10.1 mA at 50 kLx SS
	Typical 5.0 V - 22.2 mA at AM-1.5 100 mW/cm ²
2.4 Maximum output: Pmax & optimum operating Volt: Vop optimum operating Current: Iop 最大出力	(reference) 55 mW Vop=5.9 V Iop=9.3 mA at 50 kLx SS
	(reference) 116 mW Vop=5.9 V Iop=19.6 mA at AM-1.5 100 mW/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℃

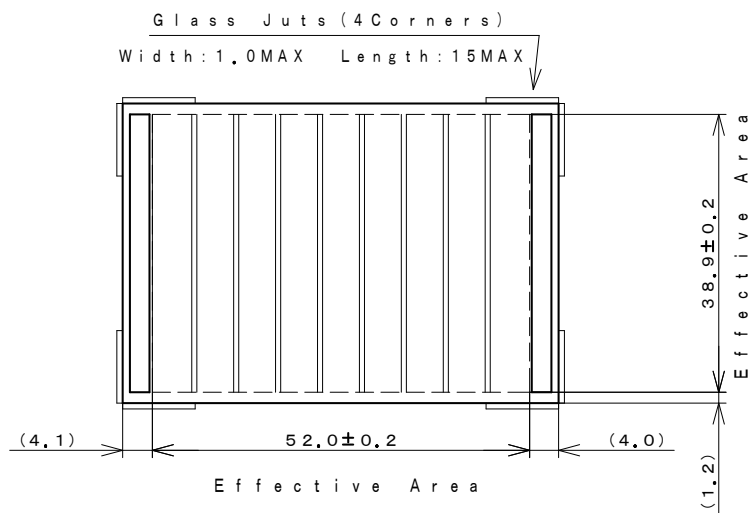
SS: Solar Simulator

アモルファスシリコン太陽電池 仕様

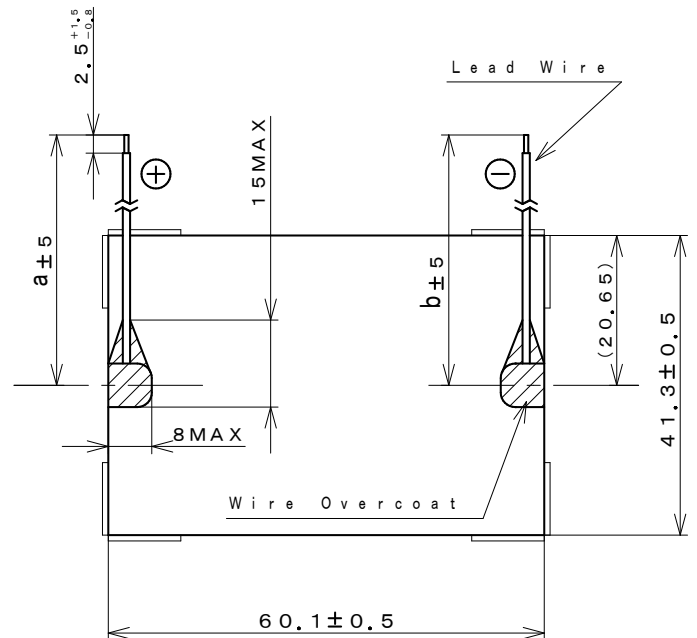
Model : AM-5909CAR-T

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 : 70	b : 70

Note

Glass Substrate Thickness (ガラス基板厚) : $1.6\text{mm} \pm 0.2$ 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: V_{oc} 開放電圧	Typical 7.7V at 50kLx SS
2.2 Short circuit Current: I_{sc} 短絡電流	Typical 10.9mA at 50kLx SS
2.3 Operating Voltage & Operating Current: $V_{ope}-I_{ope}$ 動作特性	Minimum 4.5V - 7.8mA at 50kLx SS
	Typical 5.0V - 10.1mA at 50kLx SS
	Typical 5.0V - 22.2mA at AM-1.5 100mW/cm ²
2.4 Maximum output: P_{max} & optimum operating Volt: V_{op} optimum operating Current: I_{op} 最大出力	(reference) 55mW $V_{op}=5.9\text{V}$ $I_{op}=9.3\text{mA}$ at 50kLx SS
	(reference) 116mW $V_{op}=5.9\text{V}$ $I_{op}=19.6\text{mA}$ at AM-1.5 100mW/cm ²
2.5 Working temperature range: T_{opr} 動作温度範囲	-10 to 60°C
2.6 Storage temperature range: T_{stg} 保存温度範囲	-20 to 70°C

SS: Solar Simulator

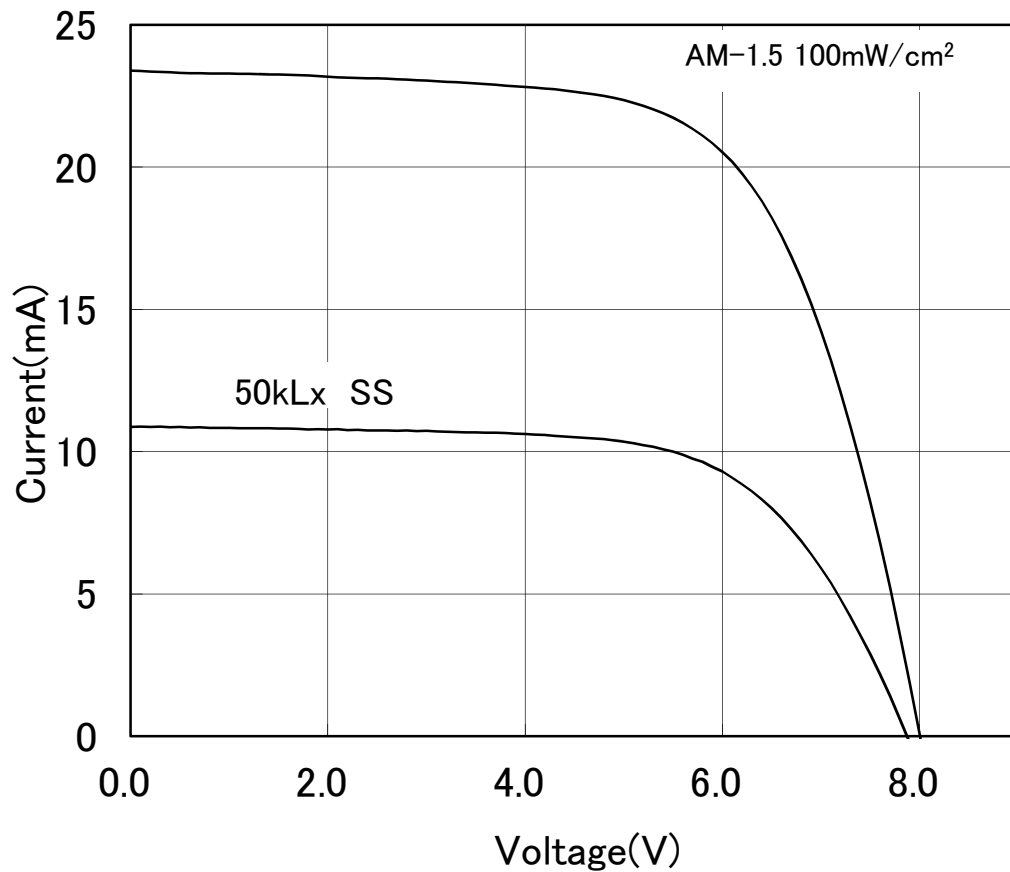
I – V Characteristics

REFERENCE

1.Model : AM-5909

2.Outside Dimension : 60.1mm × 41.3mm

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

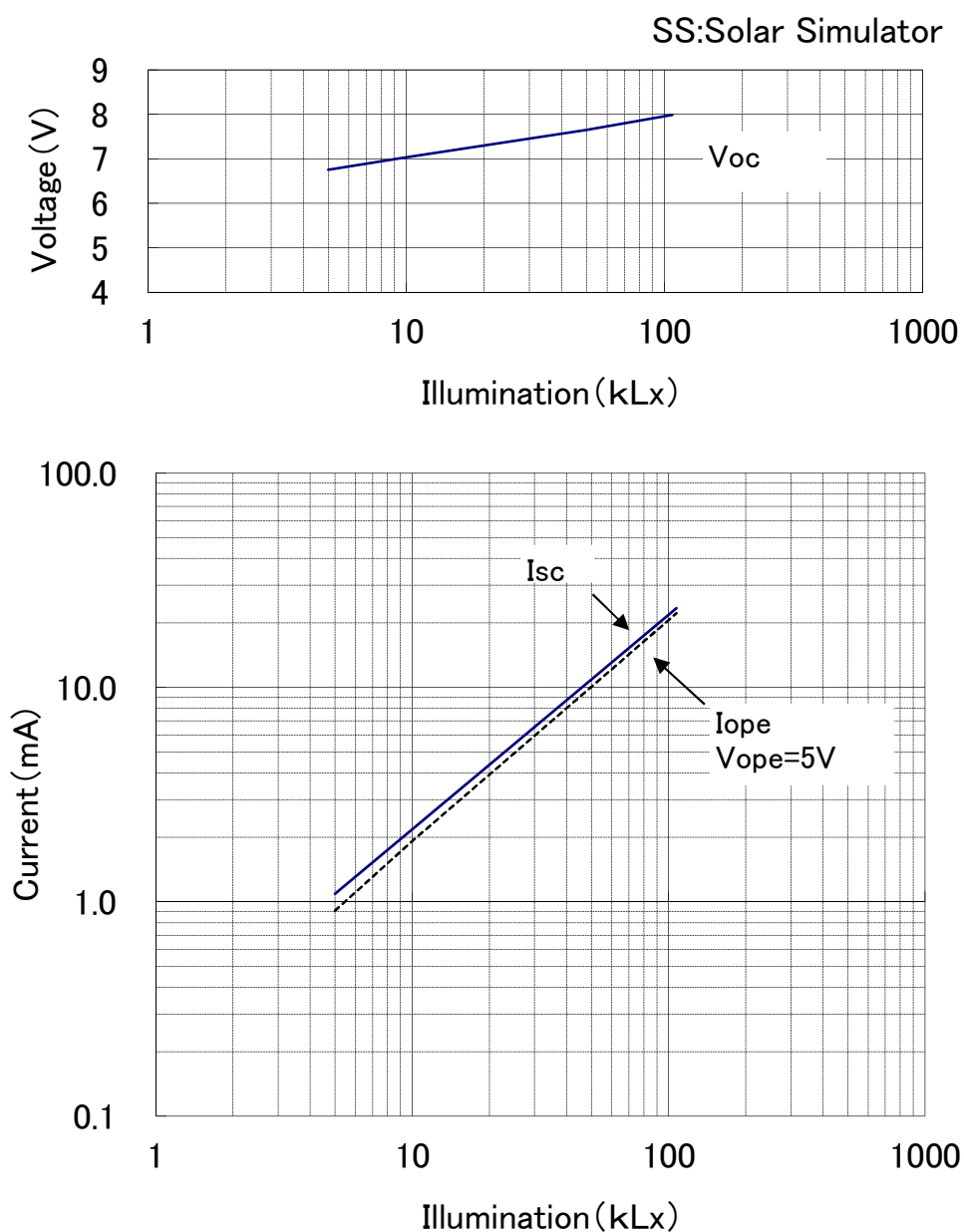
出力の照度依存特性

REFERENCE

Dependence of Output on Illumination

1.Model : AM-5909

2.Outside Dimension : 60.1mm × 41.3mm



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出力の温度依存特性

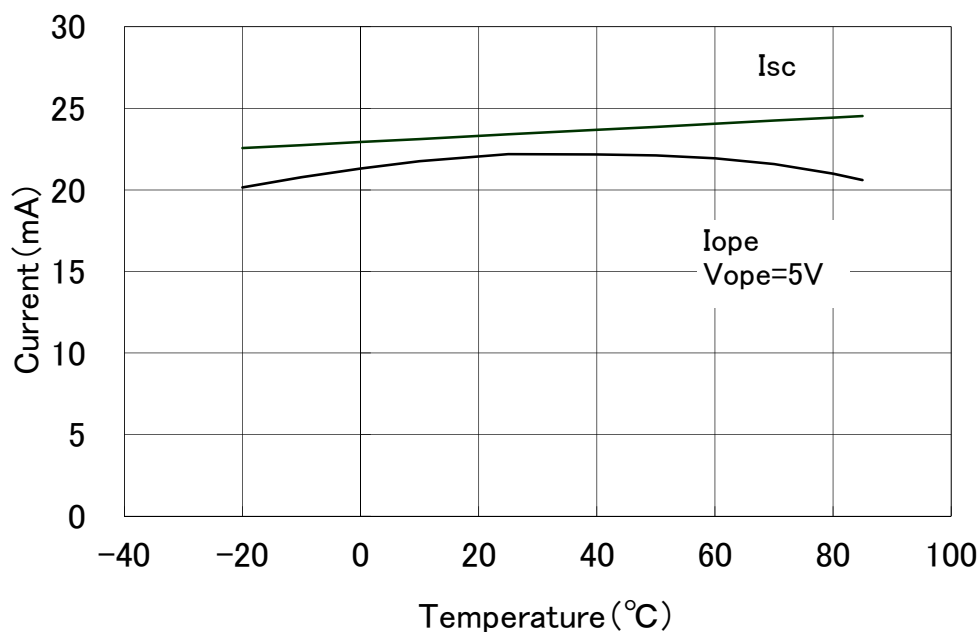
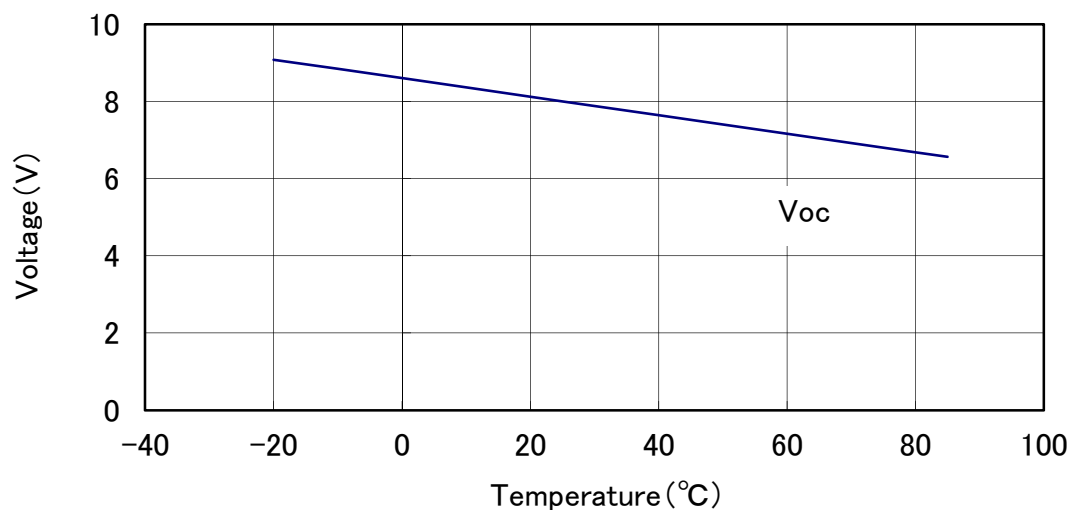
REFERENCE

Dependence of Output on Temperature

1.Model : AM-5909

2.Outside Dimension : 60.1mm × 41.3mm

AM-1.5 100mW/cm²



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