

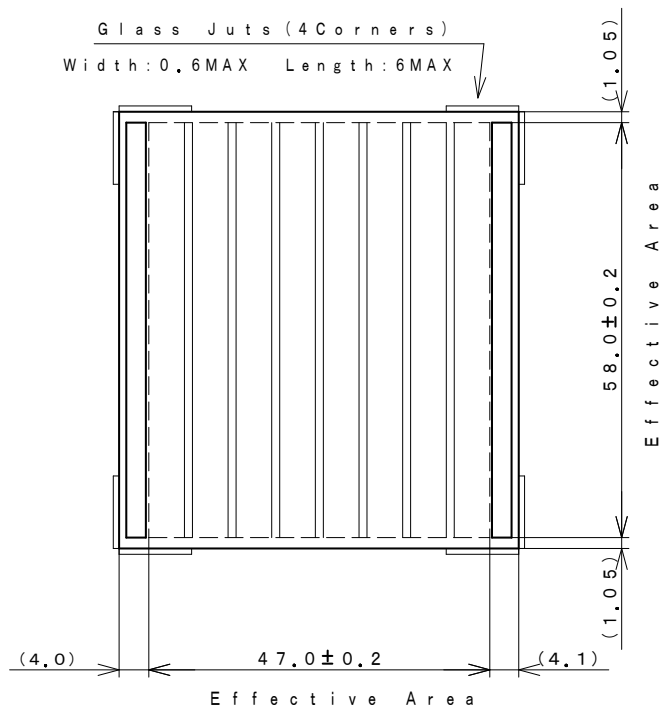
アモルファスシリコン太陽電池 仕様

Model : AM-5814C-T

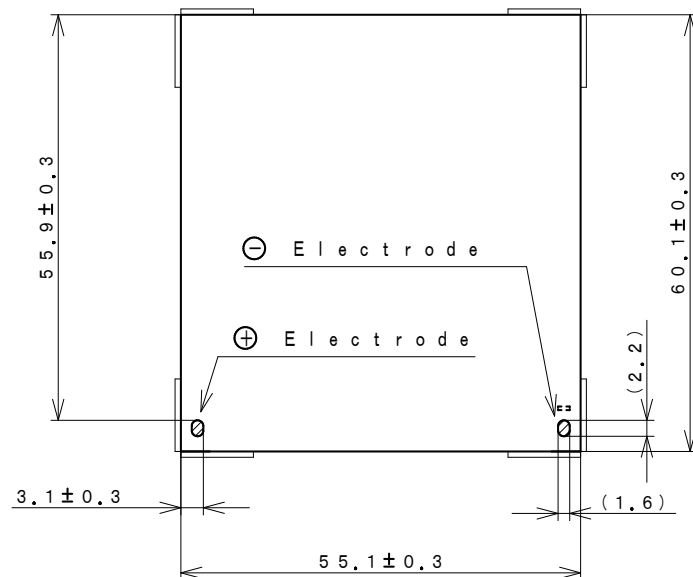
1. Outside dimensions 外形寸法

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 6.8 V at 50 kLx SS
2.2 Short circuit Current: Isc 短絡電流	Typical 18.9 mA at 50 kLx SS
2.3 Operating Voltage & Operating Current: Vope-Iope 動作特性	Minimum 4.5 V - 13.9 mA at 50 kLx SS
	Typical 4.5 V - 17.4 mA at 50 kLx SS
	Typical 4.5 V - 38.6 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) 85 mW Vop=5.2 V Iop=16.4 mA at 50 kLx SS
	(reference) 180 mW Vop=5.2 V Iop=34.7 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

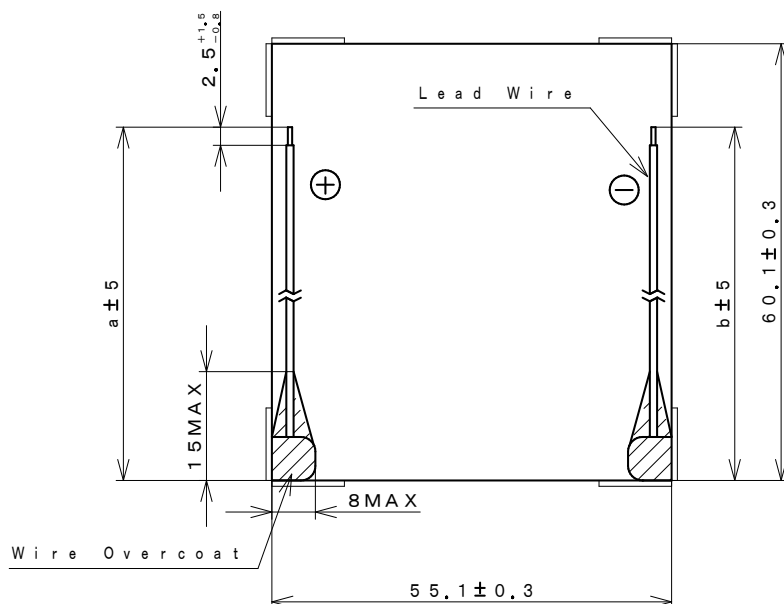
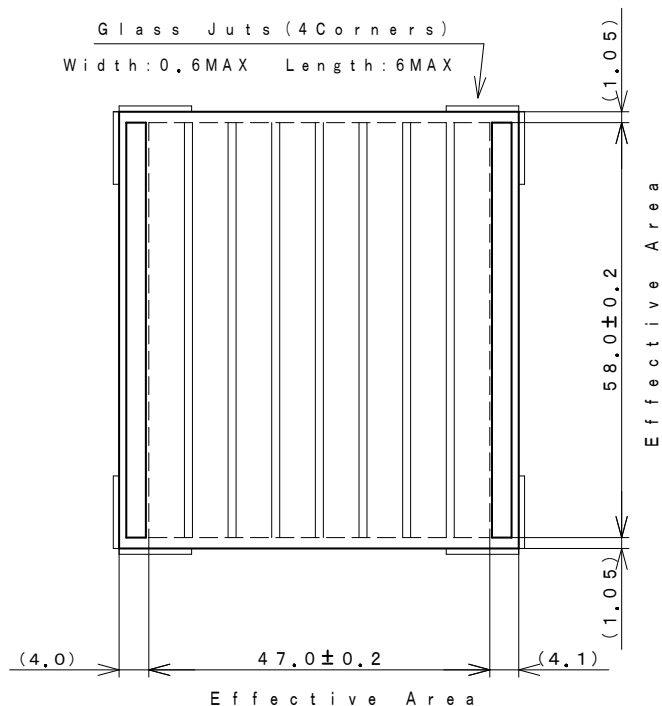
アモルファスシリコン太陽電池 仕様

Model : AM-5814CAR-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: 101	b: 101

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 開放電圧	Typical	6.8 V	at 50kLx SS
2.2 Short circuit Current: Isc 短絡電流	Typical	18.9 mA	at 50kLx SS
2.3 Operating Voltage & Operating Current: Vope-Iope 動作特性	Minimum	4.5 V - 13.9 mA	at 50kLx SS
	Typical	4.5 V - 17.4 mA	at 50kLx SS
	Typical	4.5 V - 38.6 mA	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)	85 mW	Vop=5.2 V Iop=16.4 mA at 50kLx SS
	(reference)	180 mW	Vop=5.2 V Iop=34.7 mA 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

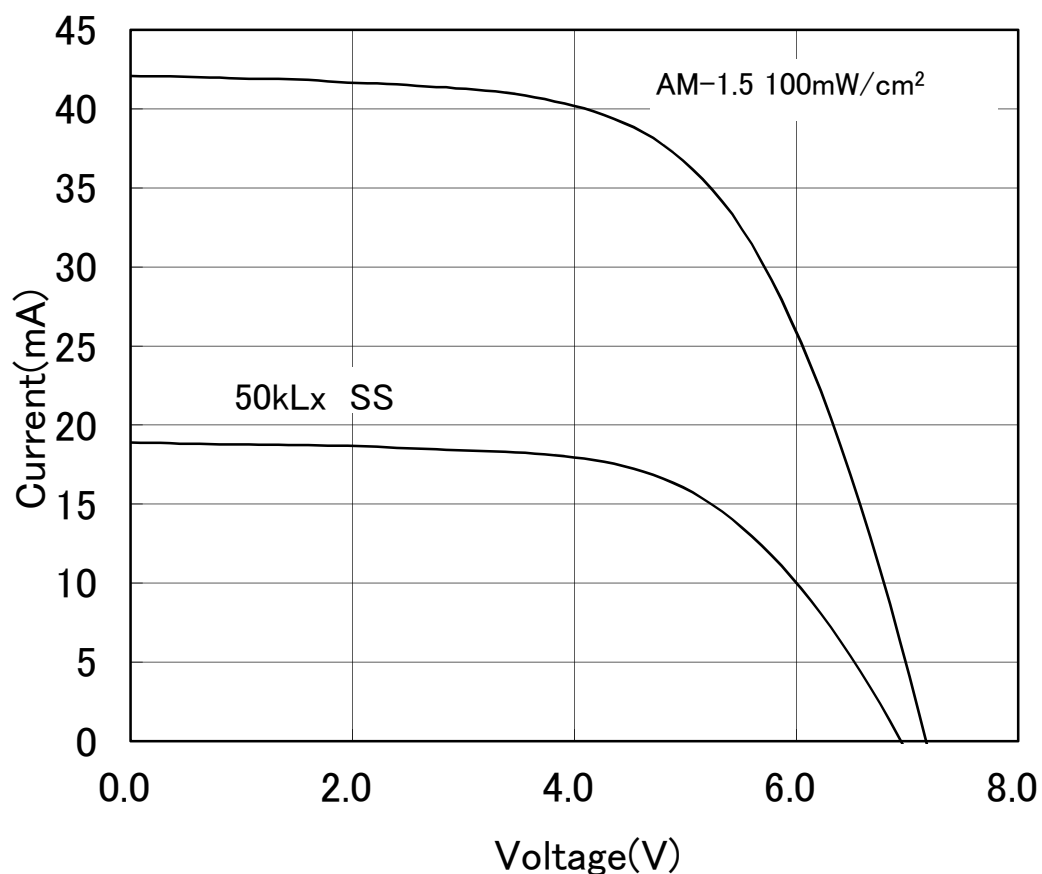
I – V Characteristics

REFERENCE

1.Model : AM-5814

2.Outside Dimension : 60.1mm × 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.

Panasonic Solar Amorton Co.,Ltd.

2019/7/2

出力の照度依存特性

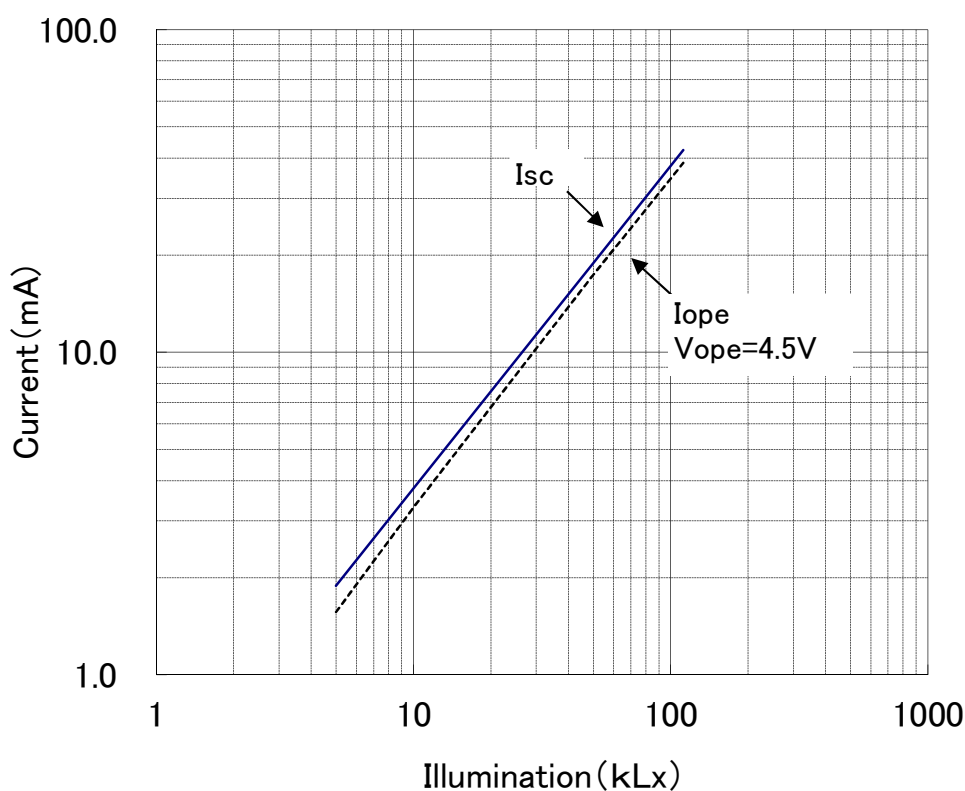
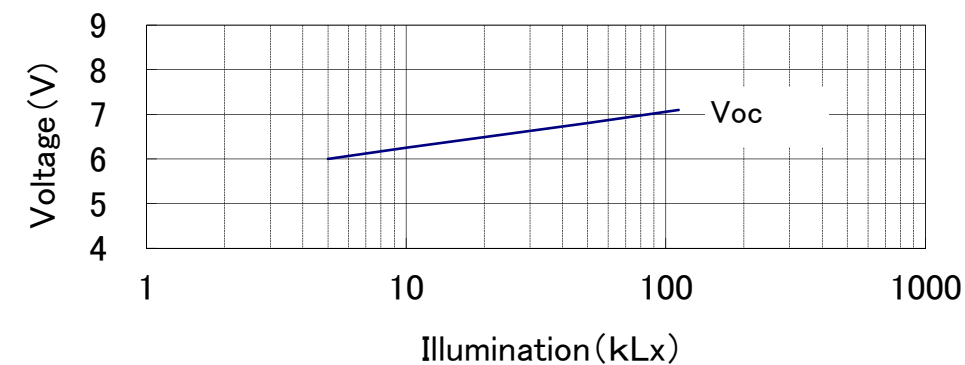
REFERENCE

Dependence of Output on Illumination

1.Model : AM-5814

2.Outside Dimension : 60.1mm × 55.1mm

SS:Solar Simulator



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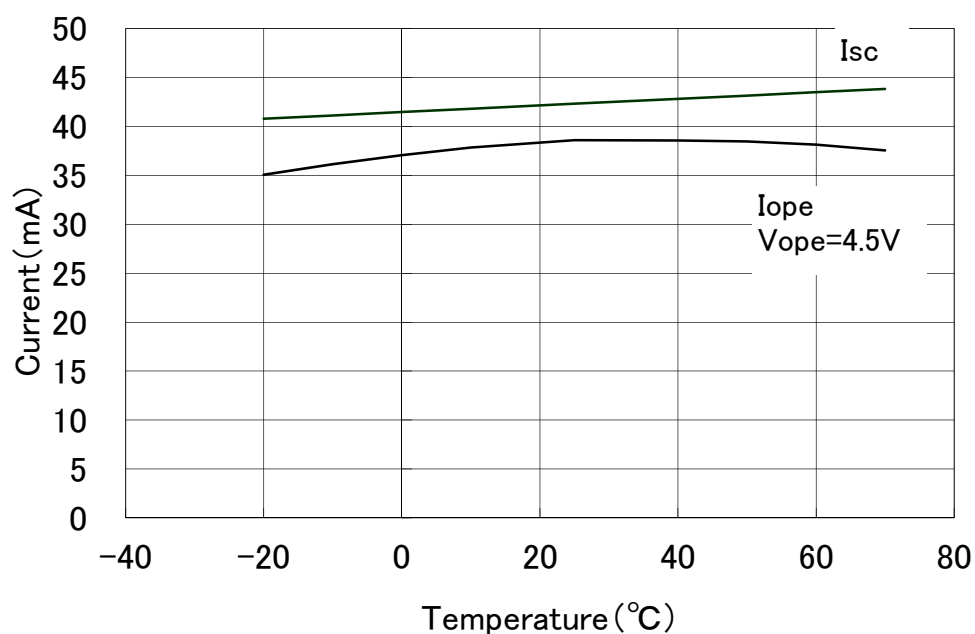
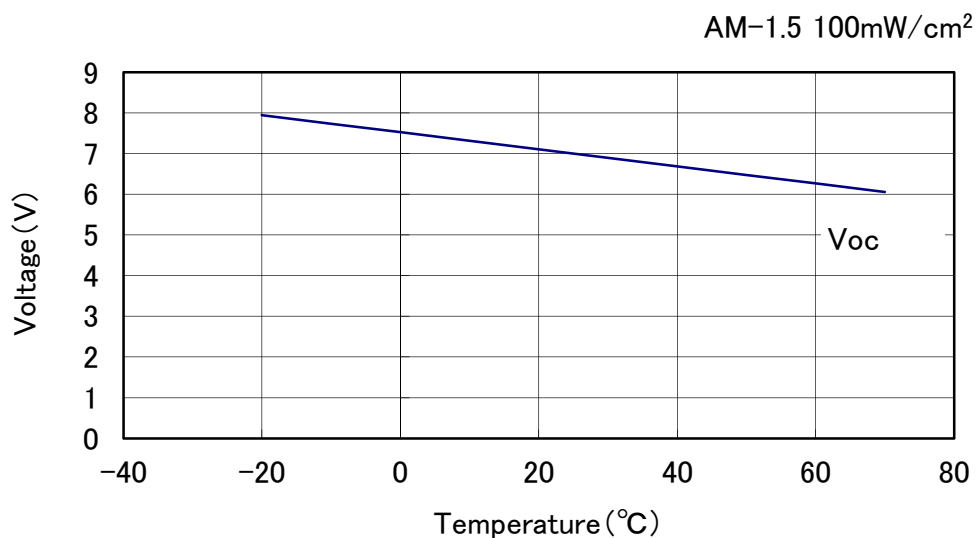
出力の温度依存特性

REFERENCE

Dependence of Output on Temperature

1.Model : AM-5814

2.Outside Dimension : 60.1mm × 55.1mm



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