

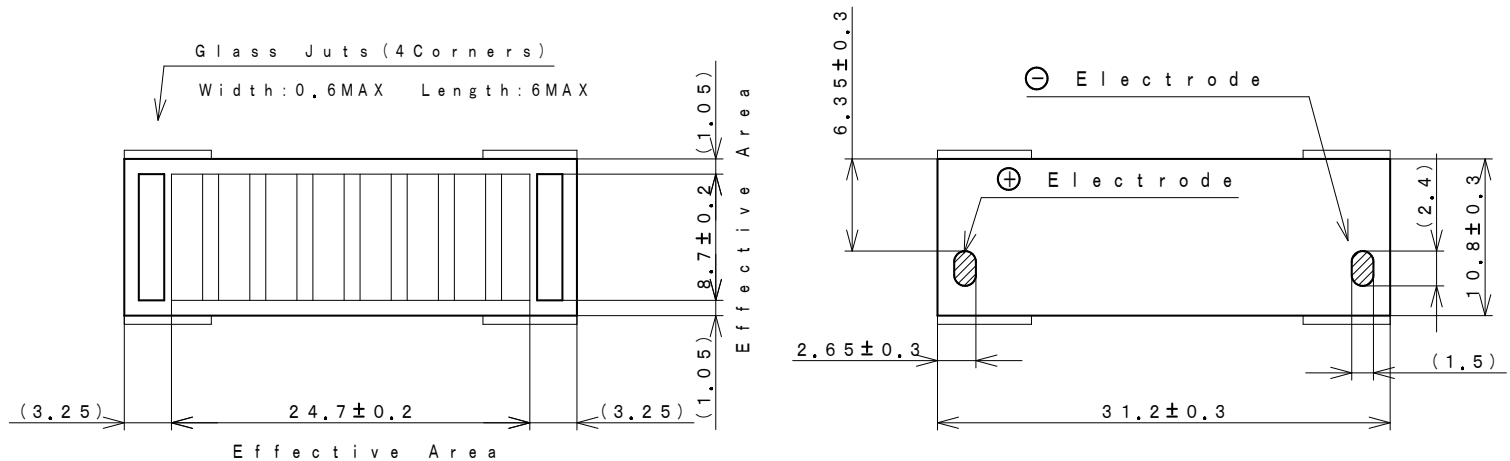
アモルファスシリコン太陽電池 仕様

Model : AM-5815C-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	6.8 V	at 50kLx SS
2.2 Short circuit Current: Isc 短絡電流	Typical	1.2 mA	at 50kLx SS
2.3 Operating Voltage & Operating Current: Vope-Iope 動作特性	Minimum	4.5 V - 0.8 mA	at 50kLx SS
	Typical	4.5 V - 1.1 mA	at 50kLx SS
	Typical	4.5 V - 2.5 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)	5.5 mW	Vop=5.2 V Iop=1.05 mA at 50kLx SS
	(reference)	12 mW	Vop=5.2 V Iop=2.3 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℃		

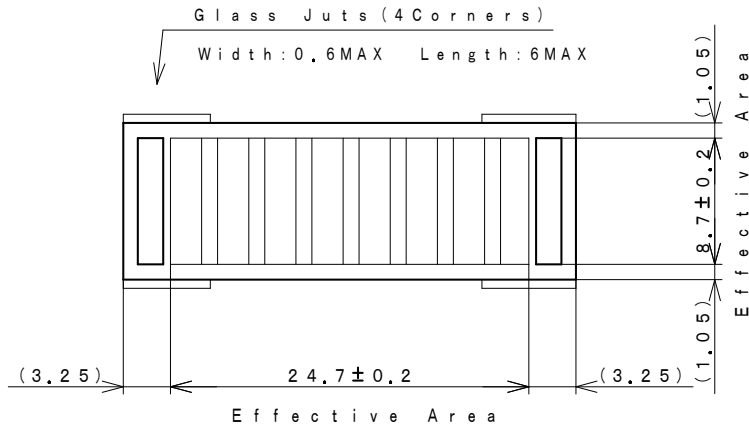
SS: Solar Simulator

アモルファスシリコン太陽電池 仕様

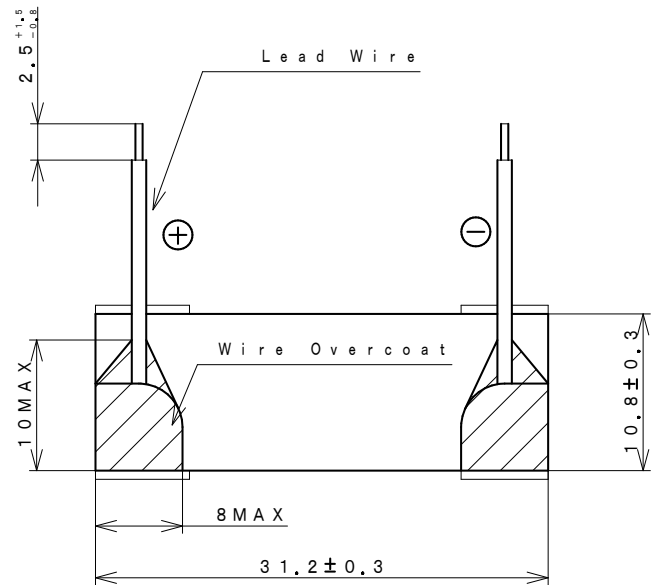
Model : AM-5815CAR-T

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: 51	b: 51

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	1.2 mA	at 50kLx SS
2.3 Operating Voltage & Operating Current: Vope-Iope 動作特性	Minimum	4.5 V - 0.8 mA	at 50kLx SS
	Typical	4.5 V - 1.1 mA	at 50kLx SS
	Typical	4.5 V - 2.5 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)	5.5 mW	Vop=5.2 V Iop=1.05 mA at 50kLx SS
	(reference)	12 mW	Vop=5.2 V Iop=2.3 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℃		

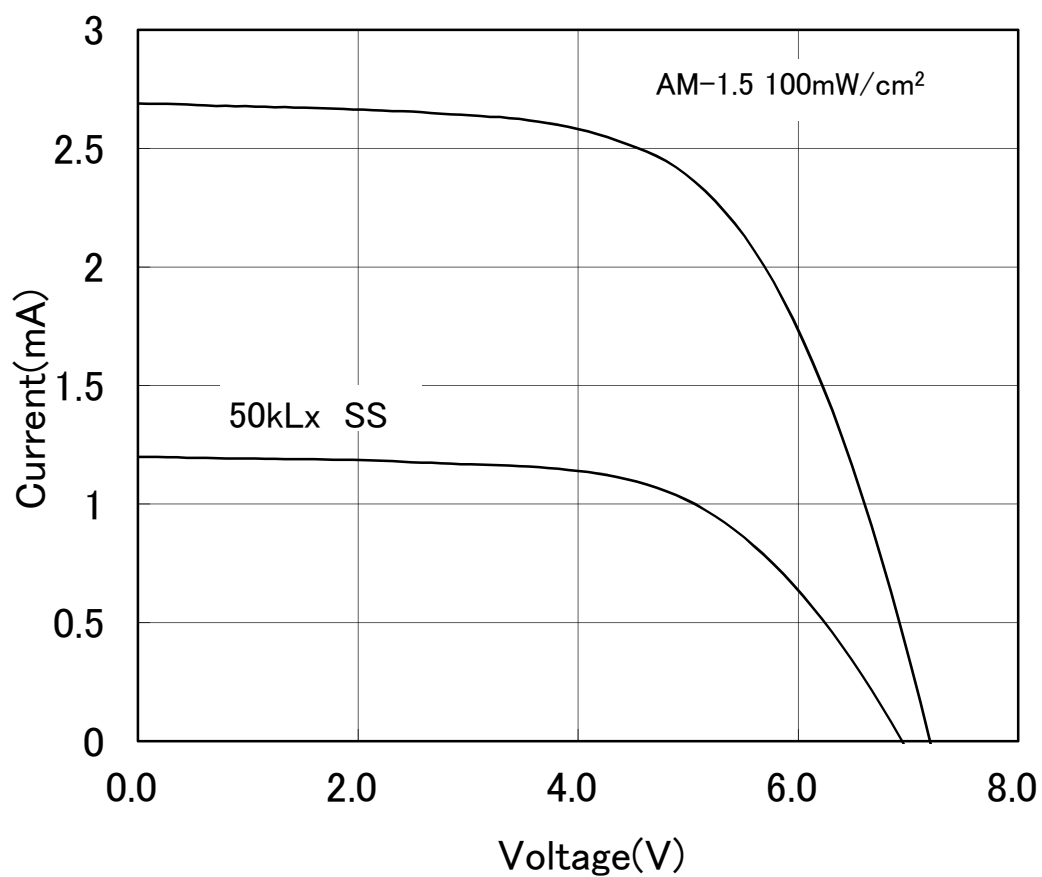
I – V Characteristics

REFERENCE

1.Model : AM-5815

2.Outside Dimension : 31.2mm × 10.8mm

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.

2019/7/1

出力の照度依存特性

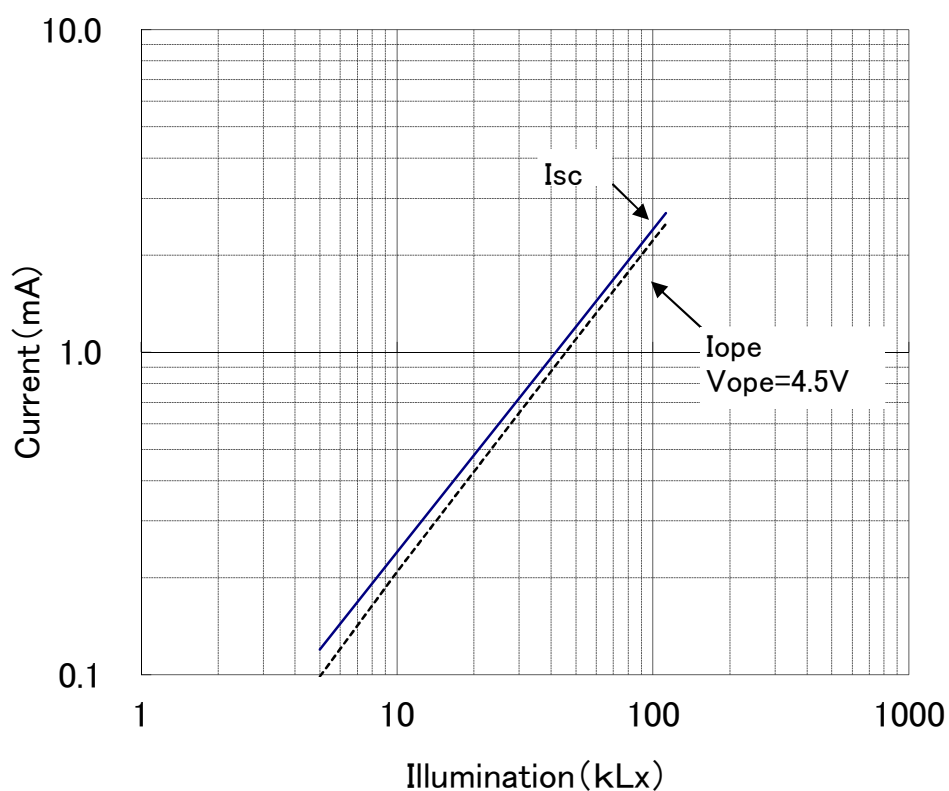
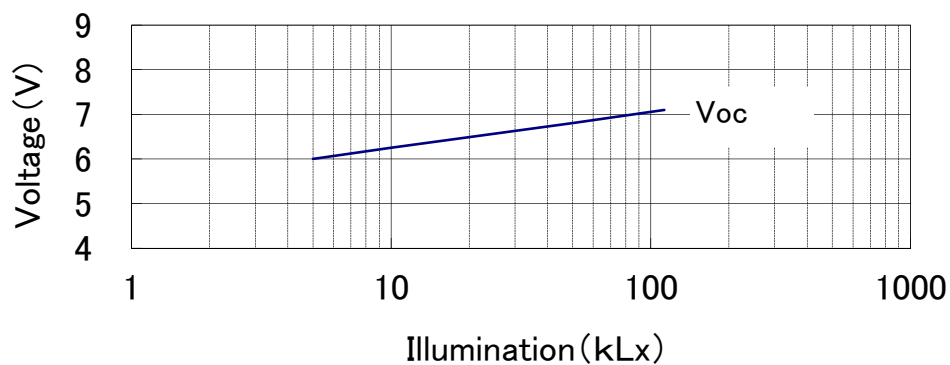
REFERENCE

Dependence of Output on Illumination

1.Model : AM-5815

2.Outside Dimension : 31.2mm × 10.8mm

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.

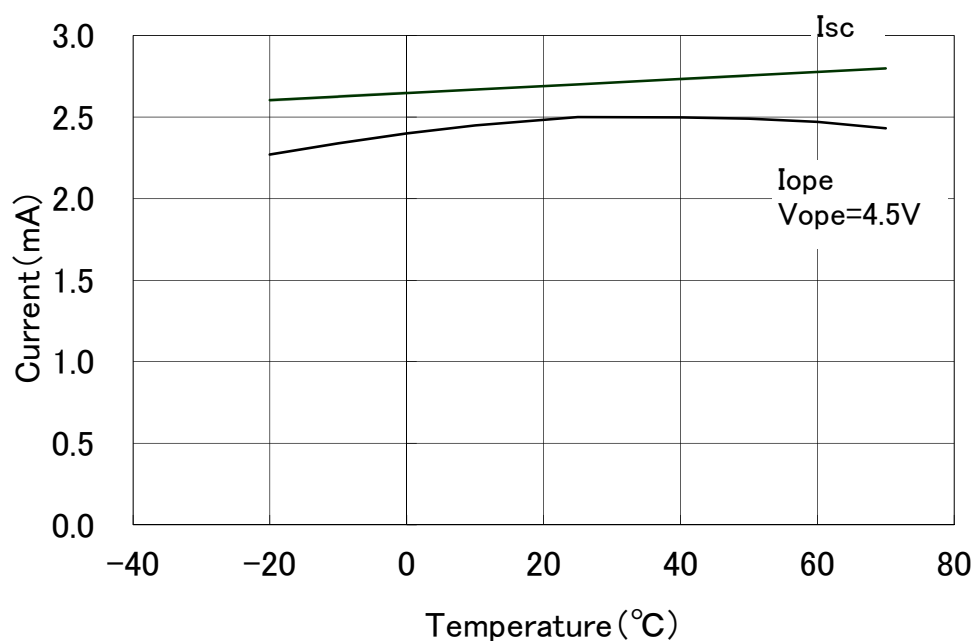
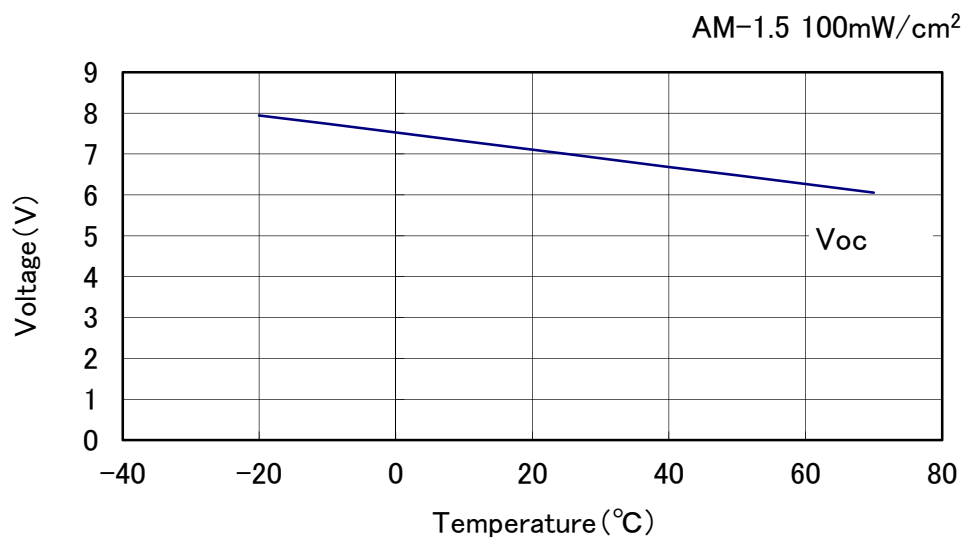
出力の温度依存特性

REFERENCE

Dependence of Output on Temperature

1.Model : AM-5815

2.Outside Dimension : 31.2mm × 10.8mm



*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.