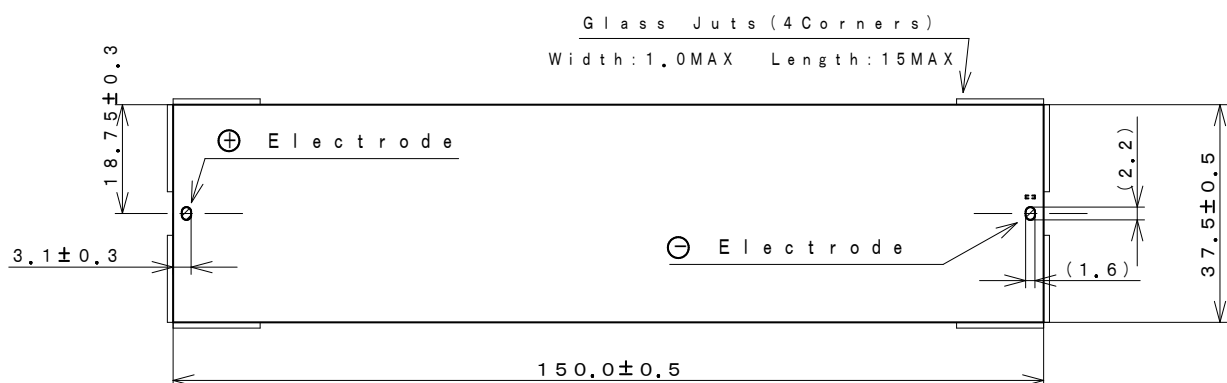


アモルファスシリコン太陽電池 仕様

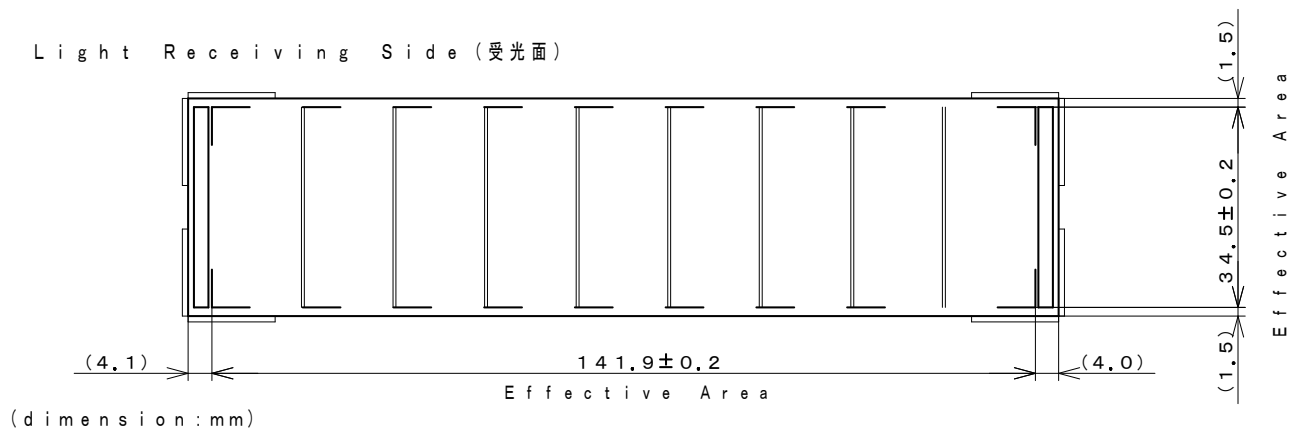
Model : AM-5902C-T

1. Outside dimensions 外形寸法

Overcoat Side (オーバーコート面)



Light Receiving Side (受光面)



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

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°C)

Item	Specifications (Initial)		
2.1 Open circuit voltage: V_{oc} 開放電圧	Typical	7.7 V	at 50 kLx SS
2.2 Short circuit Current: I_{sc} 短絡電流	Typical	30.0 mA	at 50 kLx SS
2.3 Operating Voltage & Operating Current: V_{op} - I_{op} 動作特性	Minimum	4.5 V - 21.0 mA	at 50 kLx SS
	Typical	5.0 V - 27.8 mA	at 50 kLx SS
	Typical	5.0 V - 60.8 mA	at AM-1.5 100 mW/cm ²
2.4 Maximum output: P_{max} & optimum operating Volt: V_{op} optimum operating Current: I_{op} 最大出力	(reference)	150 mW	$V_{op} = 5.9\text{V}$ $I_{op} = 25.4\text{mA}$ at 50 kLx SS
	(reference)	317 mW	$V_{op} = 5.9\text{V}$ $I_{op} = 53.7\text{mA}$ at AM-1.5 100 mW/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		

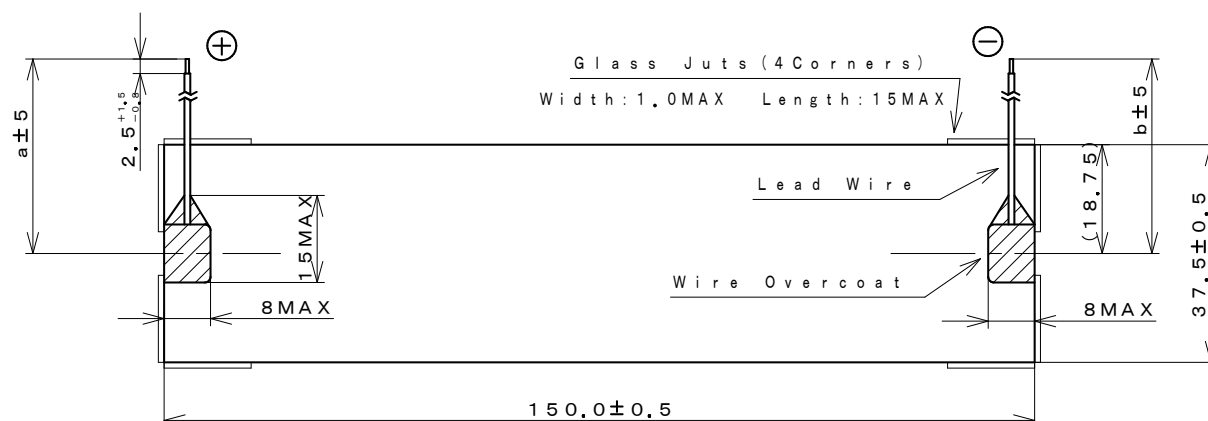
SS: Solar Simulator

アモルファスシリコン太陽電池 仕様

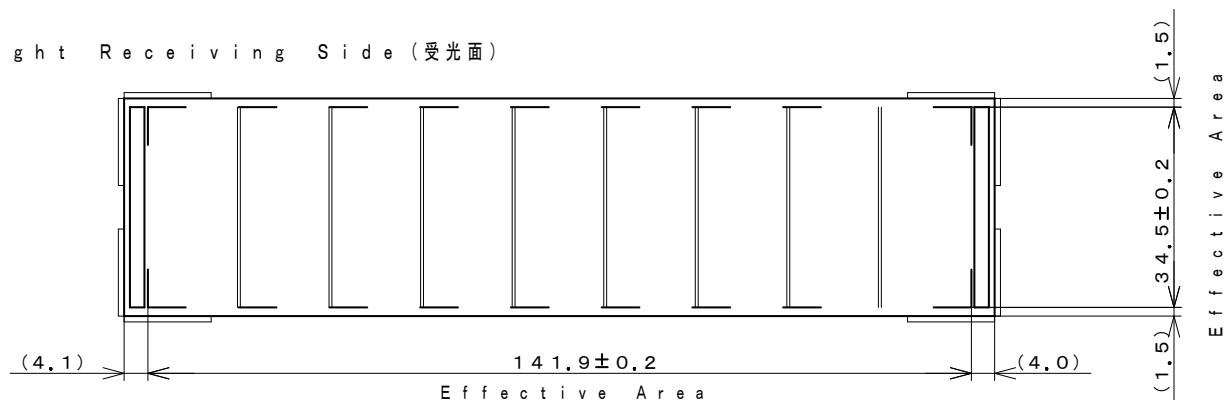
Model : AM-5902CAR-T

1. Outside dimensions 外形寸法

Overcoat Side (オーバーコート面)



Light Receiving Side (受光面)



(dimension : mm)

Lead Wires : AWG28	
a : 155	b : 155

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	7.7V	at 50kLx SS
2.2 Short circuit Current : Isc 短絡電流	Typical	30.0mA	at 50kLx SS
2.3 Operating Voltage & Operating Current : Vope-Iope 動作特性	Minimum	4.5V -21.0mA	at 50kLx SS
	Typical	5.0V -27.8mA	at 50kLx SS
	Typical	5.0V -60.8mA	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)	150mW	Vop = 5.9V Iop = 25.4mA at 50kLx SS
	(reference)	317mW	Vop = 5.9V Iop = 53.7mA 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

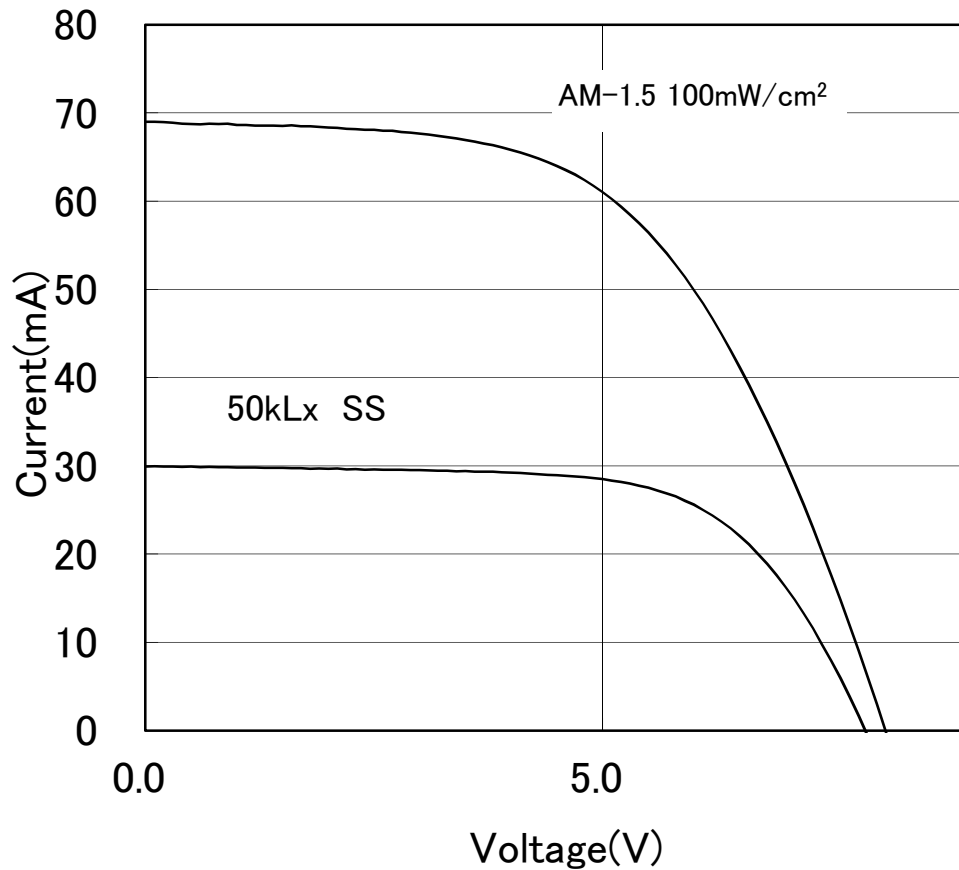
I - V Characteristics

REFERENCE

1.Model : AM-5902

2.Outside Dimension : 150.0mm × 37.5mm

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.

2019/7/5

出力の照度依存特性

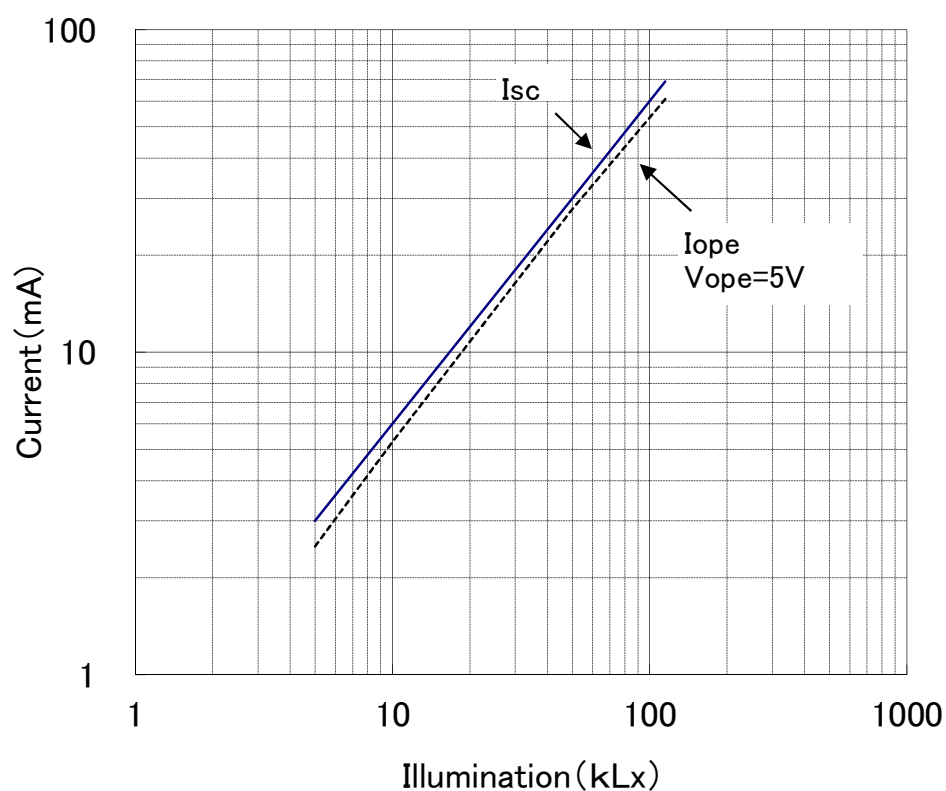
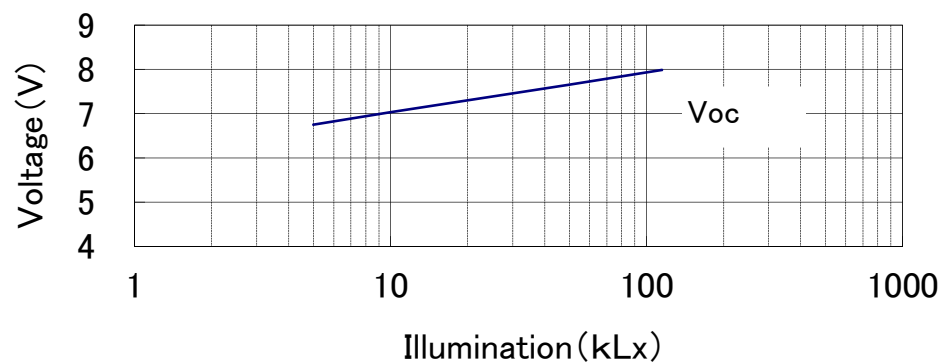
REFERENCE

Dependence of Output on Illumination

1.Model : AM-5902

2.Outside Dimension : 150.0mm × 37.5mm

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.

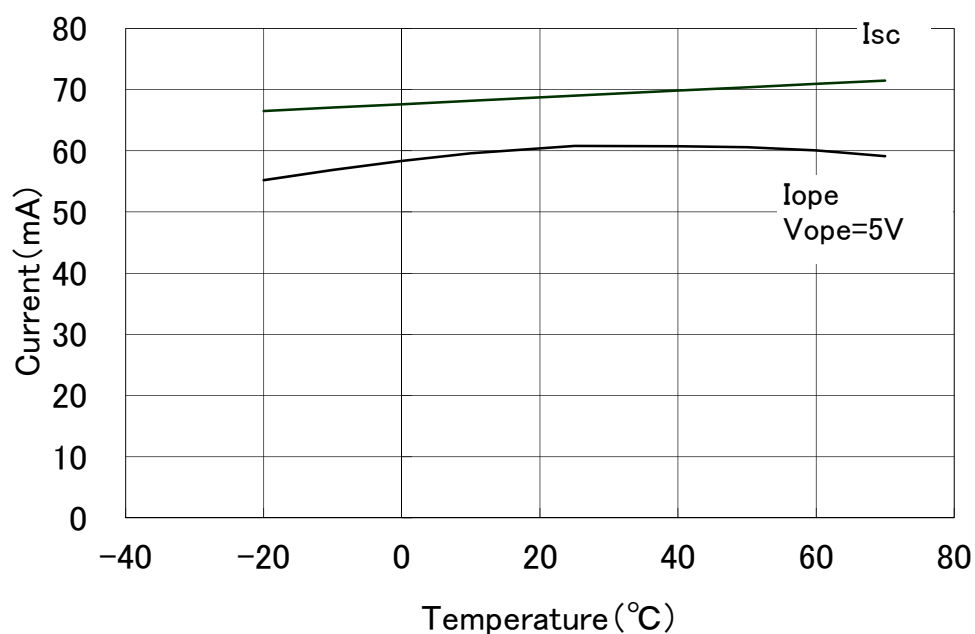
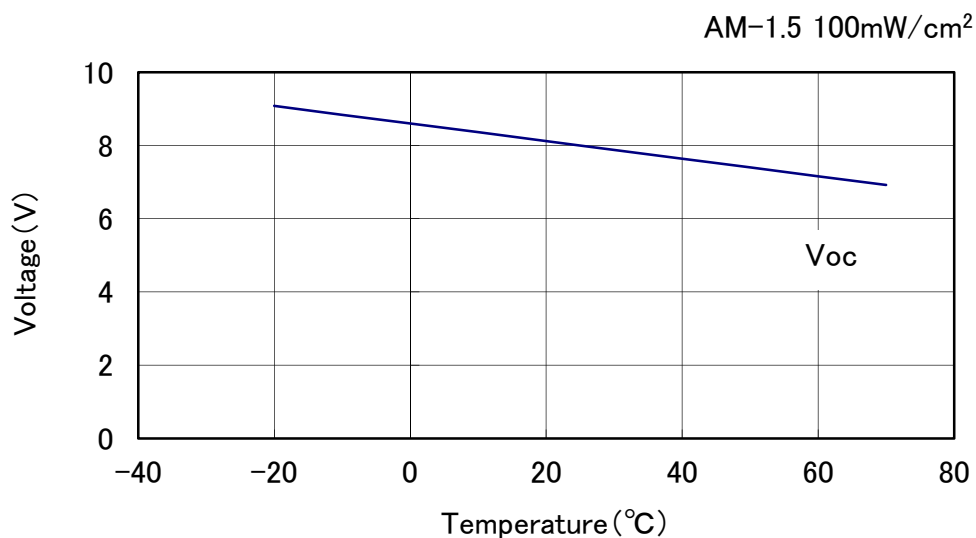
出力の温度依存特性

REFERENCE

Dependence of Output on Temperature

1.Model : AM-5902

2.Outside Dimension : 150.0mm × 37.5mm



*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.