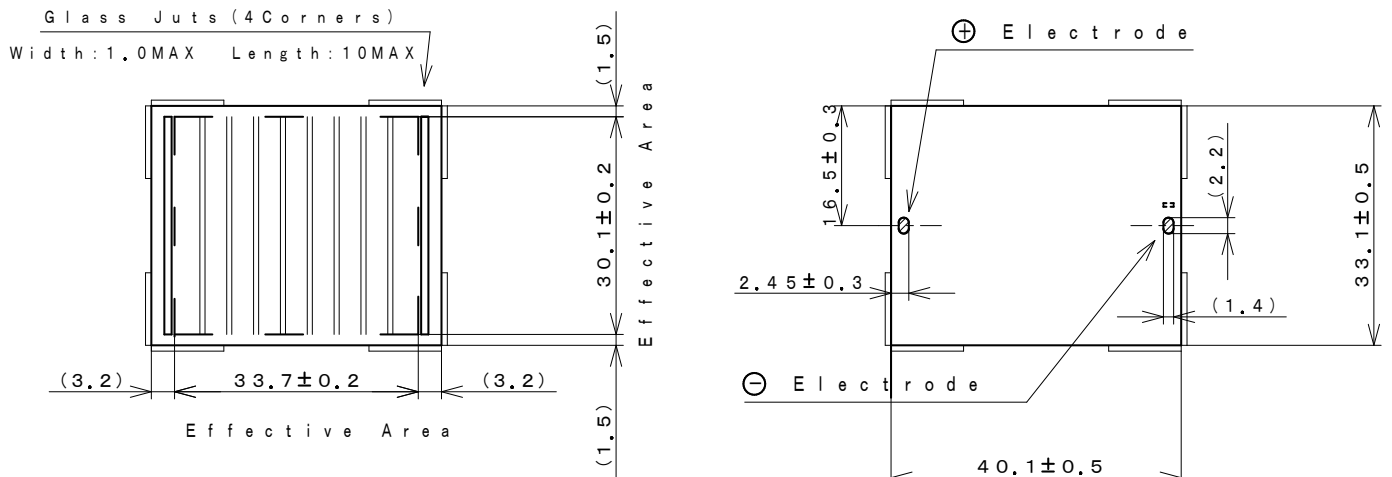


アモルファスシリコン太陽電池 仕様

Model : AM-5904C-T

1. Outside dimensions 外形寸法

Light Receiving Side (受光面)

Overcoat Side (オーハ[®]-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フト[®]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	7.7V	at 50kLx SS
2.2 Short circuit Current : Isc 短絡電流	Typical	4.8mA	at 50kLx SS
2.3 Operating Voltage & Operating Current : V _{ope} - I _{ope} 動作特性	Minimum	4.5V - 3.5mA	at 50kLx SS
	Typical	5.0V - 4.5mA	at 50kLx SS
	Typical	5.0V - 9.9mA	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)	24mW	V _{op} = 5.9V I _{op} = 4.1mA at 50kLx SS
	(reference)	52mW	V _{op} = 5.9V I _{op} = 8.7mA at AM-1.5 100mW/cm ²
2.5 Working temperature range : T _{opr} 動作温度範囲		-10 to 60℃	
2.6 Storage temperature range : T _{stg} 保存温度範囲		-20 to 70℃	

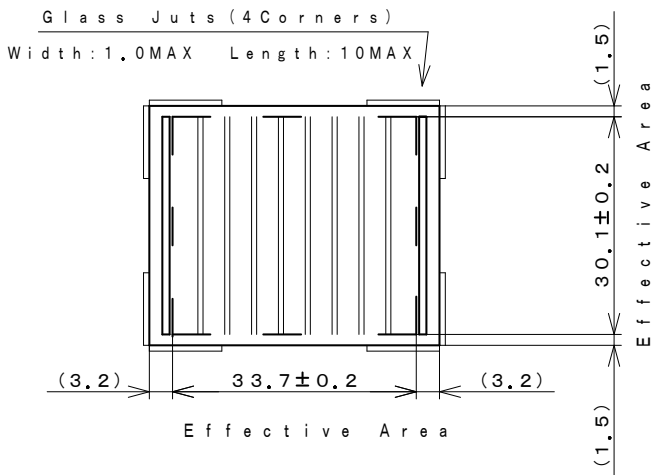
SS : Solar Simulator

アモルファスシリコン太陽電池 仕様

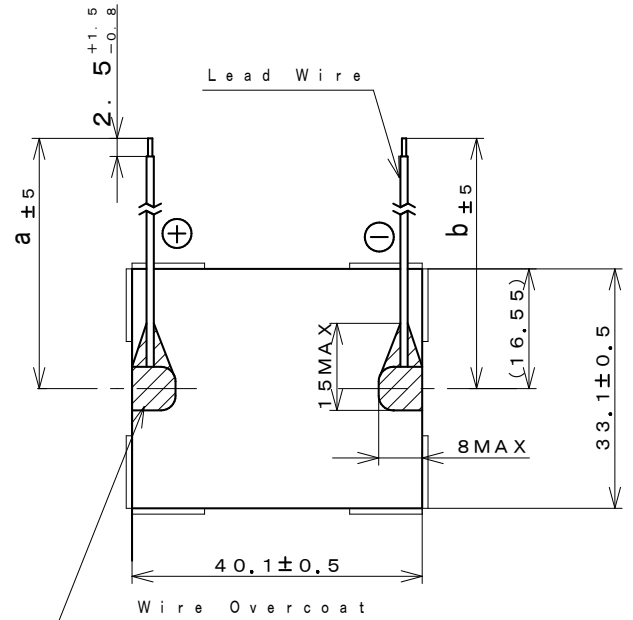
Model : AM-5904CAR-T

1. Outside dimensions 外形寸法

Light Receiving Side (受光面)



Overcoat Side (オーバークート面)



(dimension: mm)

Lead Wires : AWG28	
a : 100	b : 100

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	7.7 V	at 50 kLx SS
2.2 Short circuit Current: I_{sc} 短絡電流	Typical	4.8 mA	at 50 kLx SS
2.3 Operating Voltage & Operating Current: $V_{ope} - I_{ope}$ 動作特性	Minimum	4.5 V - 3.5 mA	at 50 kLx SS
	Typical	5.0 V - 4.5 mA	at 50 kLx SS
	Typical	5.0 V - 9.9 mA	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)	24 mW	$V_{op} = 5.9\text{V}$ $I_{op} = 4.1\text{mA}$ at 50 kLx SS
	(reference)	52 mW	$V_{op} = 5.9\text{V}$ $I_{op} = 8.7\text{mA}$ 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

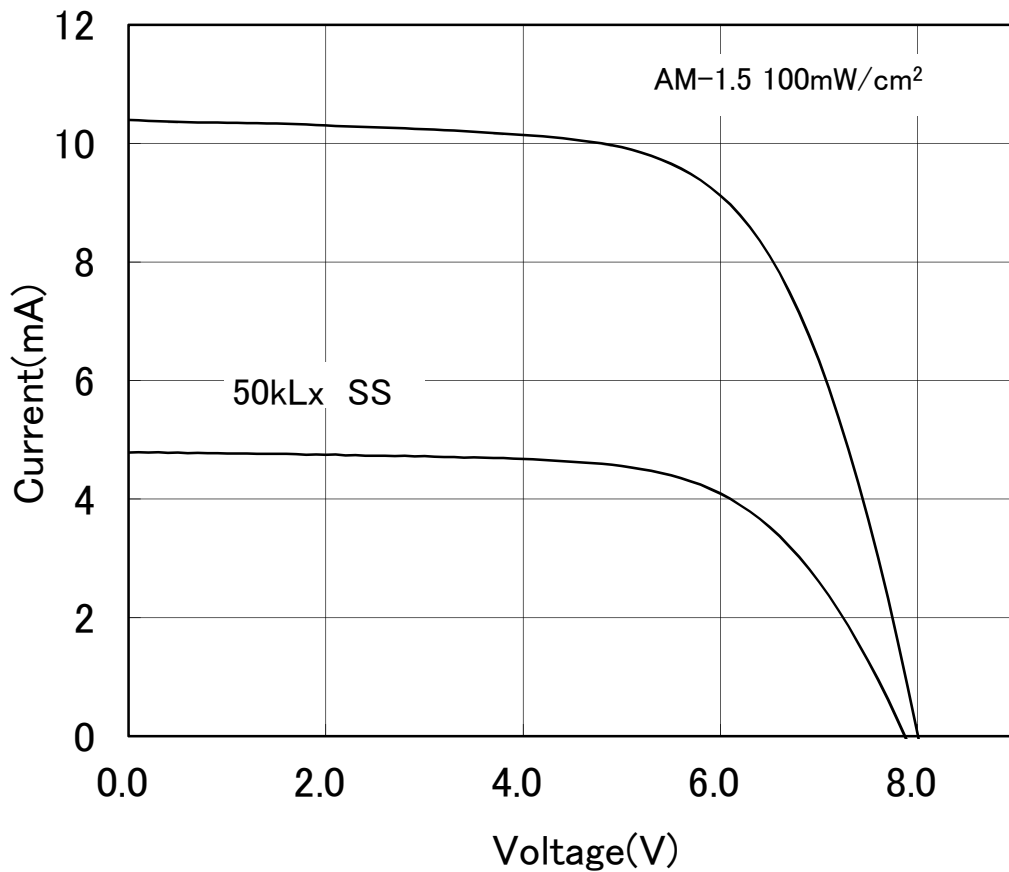
I - V Characteristics

REFERENCE

1.Model : AM-5904

2.Outside Dimension : 40.1mm × 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.

2019/7/2

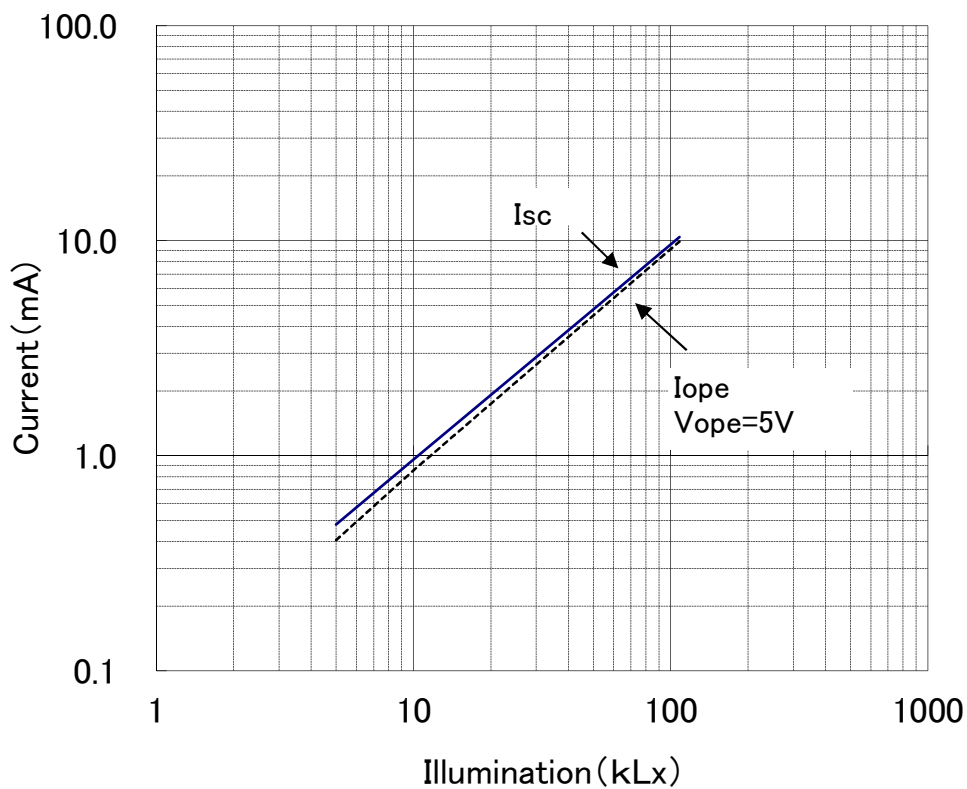
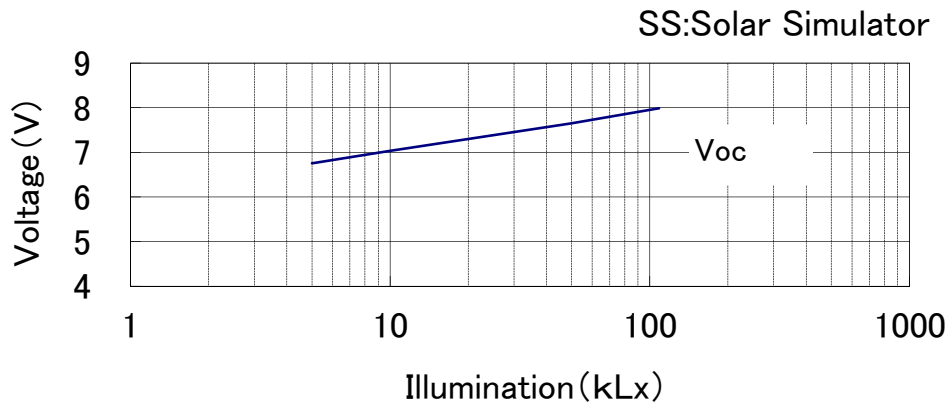
出力の照度依存特性

REFERENCE

Dependence of Output on Illumination

1.Model : AM-5904

2.Outside Dimension : 40.1mm × 33.1mm



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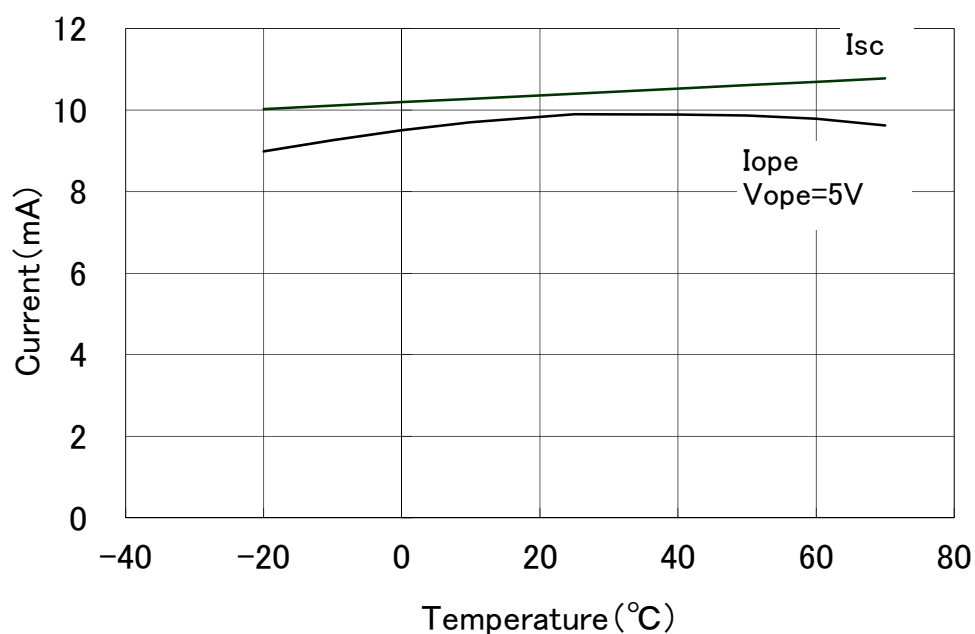
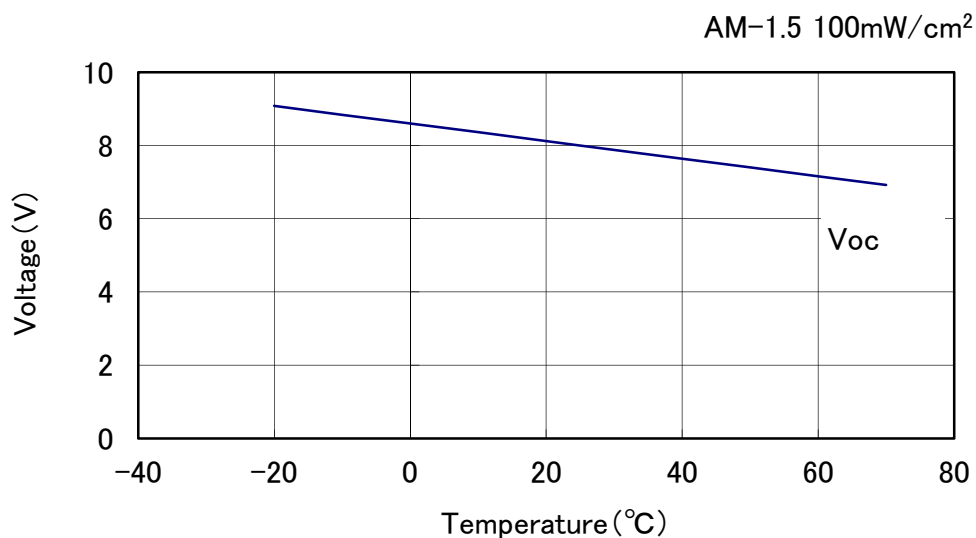
出力の温度依存特性

REFERENCE

Dependence of Output on Temperature

1.Model : AM-5904

2.Outside Dimension : 40.1mm × 33.1mm



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*The data are meant to show standard electric characteristics only , not intended to guarantee the characteristics.