

出力の照度依存特性

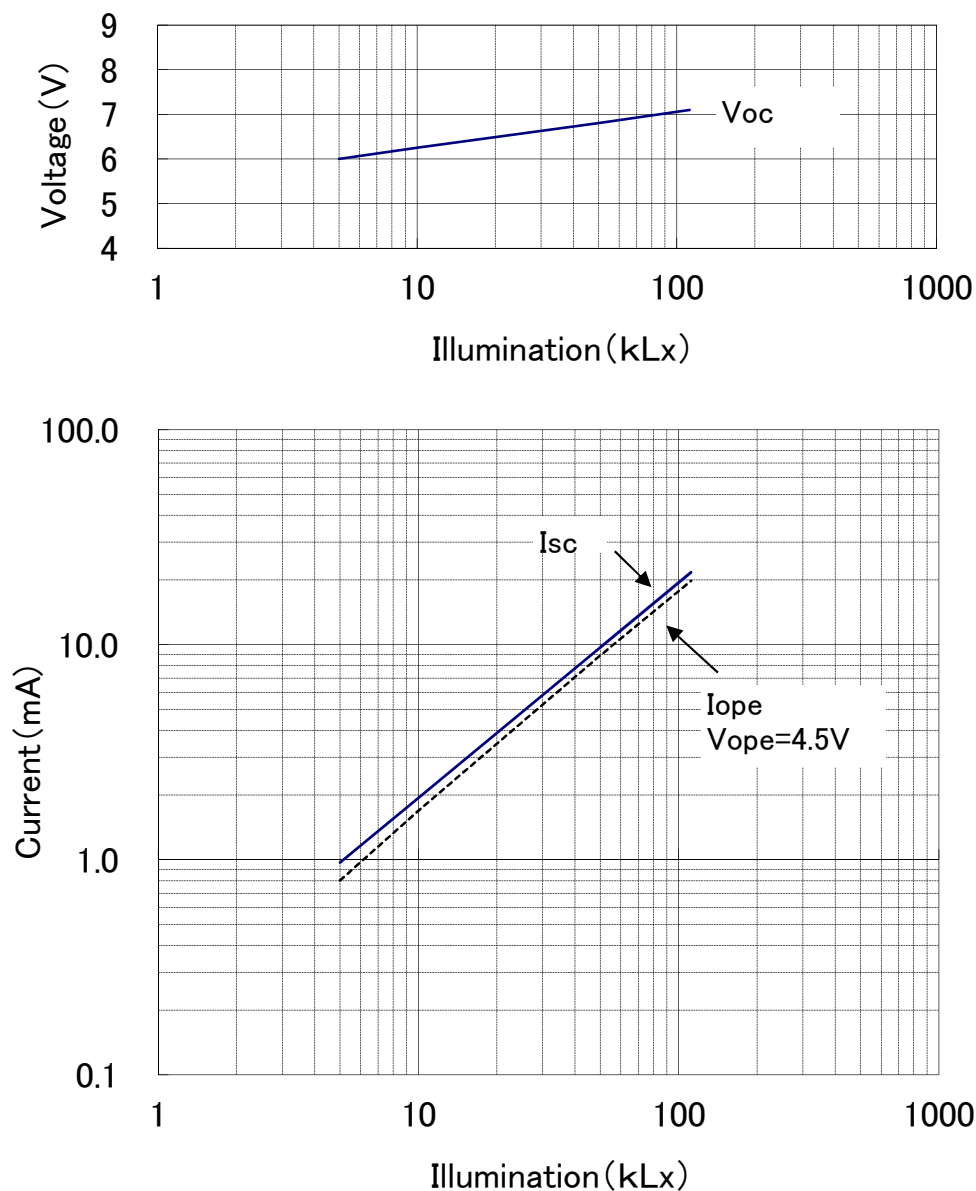
REFERENCE

Dependence of Output on Illumination

1.Model : AM-5812

2.Outside Dimension : 59.0mm × 28.7mm

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

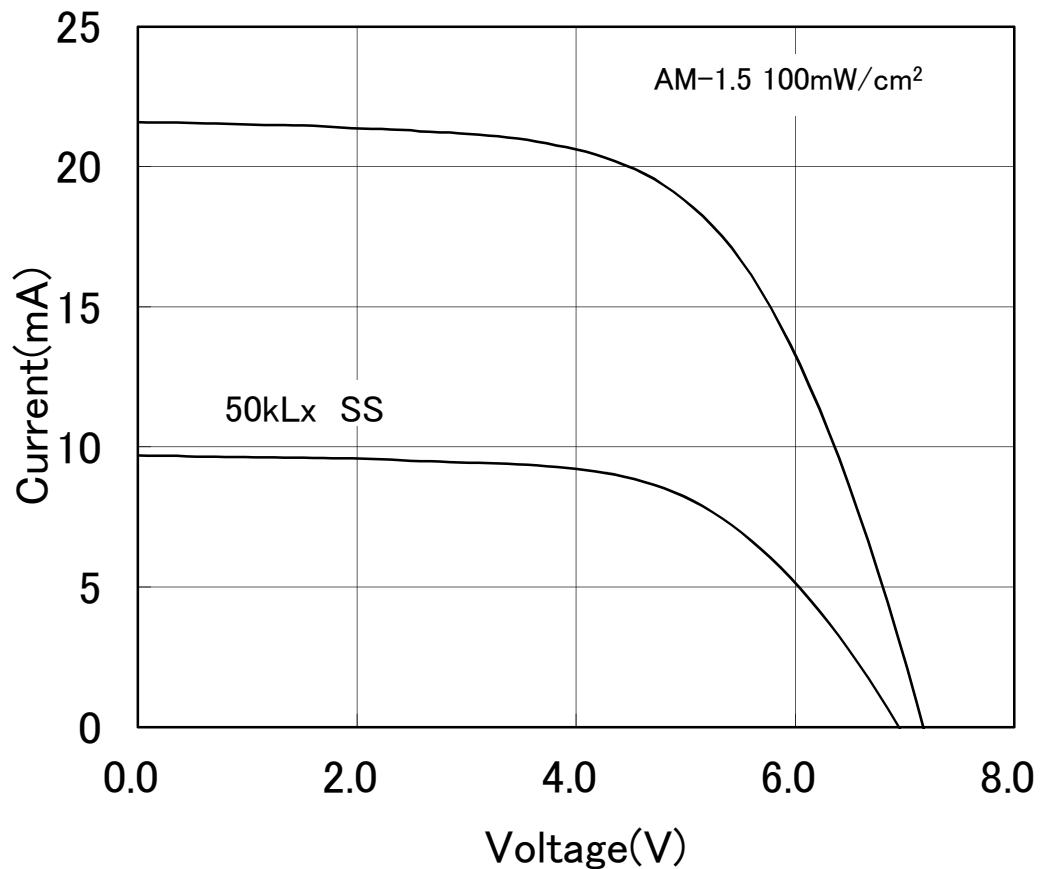
I – V Characteristics

REFERENCE

1.Model : AM-5812

2.Outside Dimension : 59.0mm × 28.7mm

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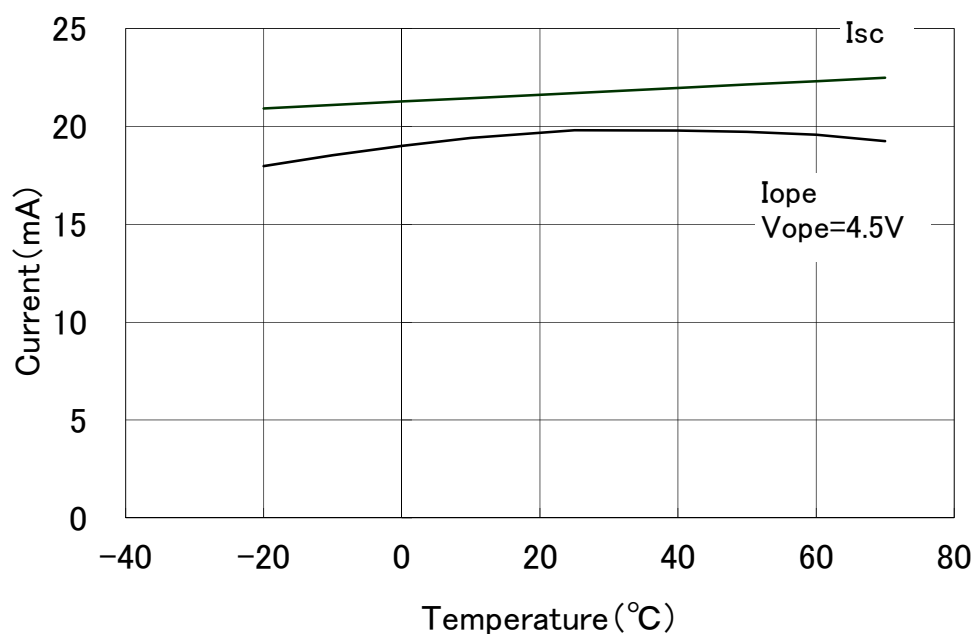
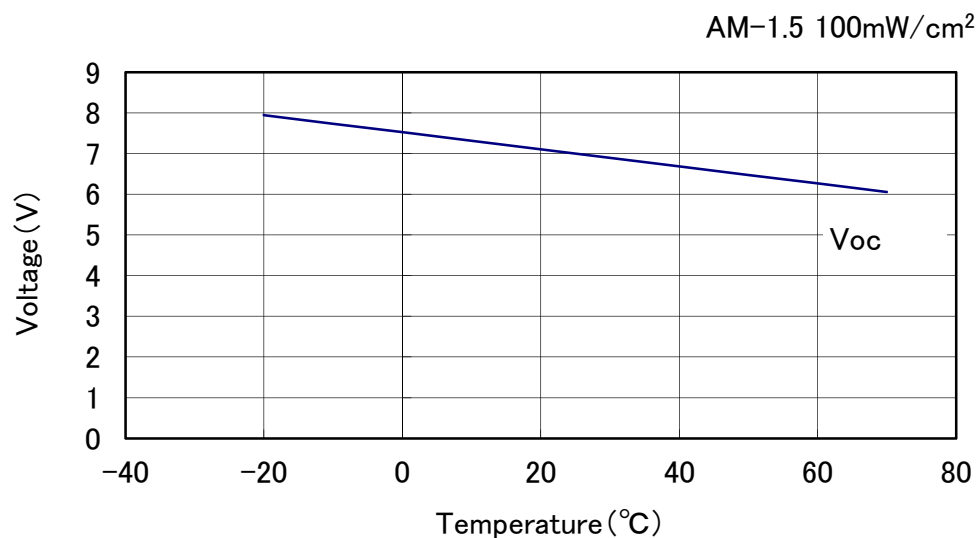
出力の温度依存特性

REFERENCE

Dependence of Output on Temperature

1.Model : AM-5812

2.Outside Dimension : 59.0mm × 28.7mm



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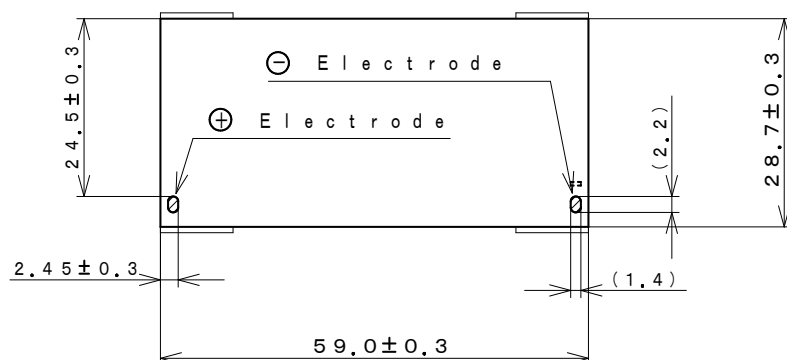
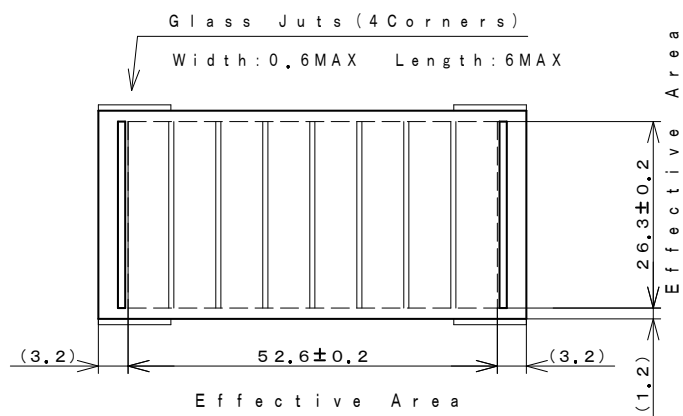
アモルファスシリコン太陽電池 仕様

Model : AM-5812C-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) : $1.6\text{mm} \pm 0.2$ 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ド線付けが可能です。)

2. Rated Specifications (at 25°C)

Item	Specifications (Initial)		
2.1 Open circuit voltage : V_{oc} 開放電圧	Typical	6.8 V	at 50 kLx SS
2.2 Short circuit Current : I_{sc} 短絡電流	Typical	9.7 mA	at 50 kLx SS
2.3 Operating Voltage & Operating Current : $V_{ope} - I_{ope}$ 動作特性	Minimum	4.0 V - 6.7 mA	at 50 kLx SS
	Typical	4.5 V - 8.9 mA	at 50 kLx SS
	Typical	4.5 V - 19.8 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)	44 mW	$V_{op} = 5.2\text{V}$ $I_{op} = 8.4\text{mA}$ at 50 kLx SS
	(reference)	93 mW	$V_{op} = 5.2\text{V}$ $I_{op} = 17.8\text{mA}$ 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		

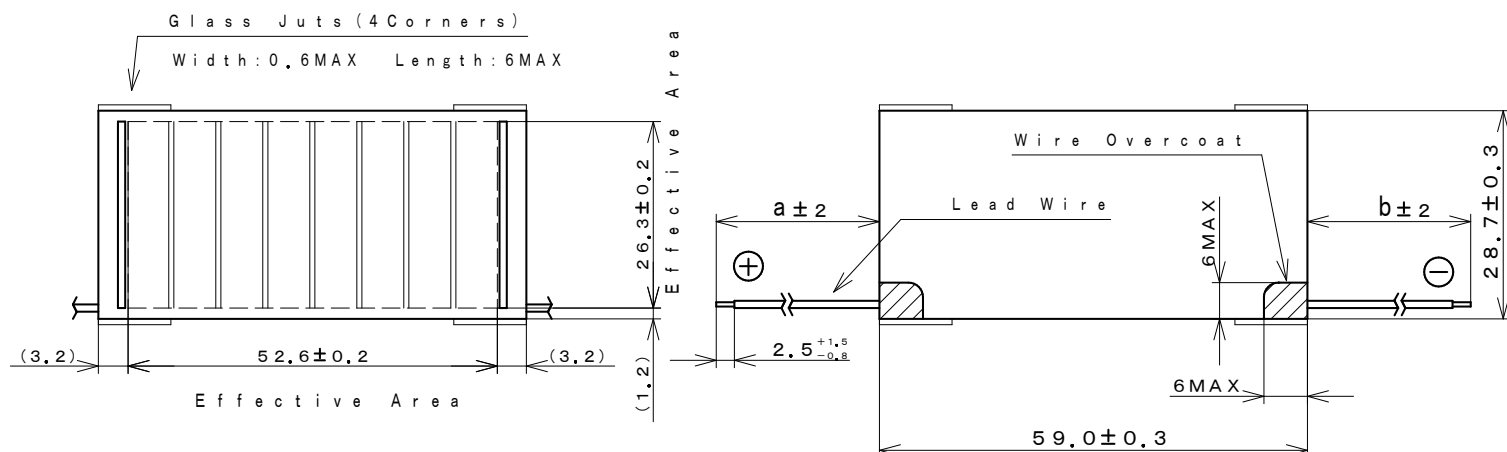
アモルファスシリコン太陽電池 仕様

Model : AM-5812CAR-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 : AWG30	
a : 47	b : 47

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	9.7 mA	at 50kLx SS
2.3 Operating Voltage & Operating Current: Vope-Iope 動作特性	Minimum	4.0 V - 6.7 mA	at 50kLx SS
	Typical	4.5 V - 8.9 mA	at 50kLx SS
	Typical	4.5 V - 19.8 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)	44 mW	Vop=5.2 V Iop=8.4 mA at 50kLx SS
	(reference)	93 mW	Vop=5.2 V Iop=17.8 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