

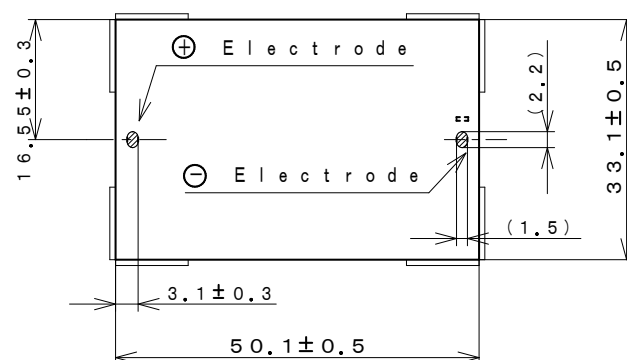
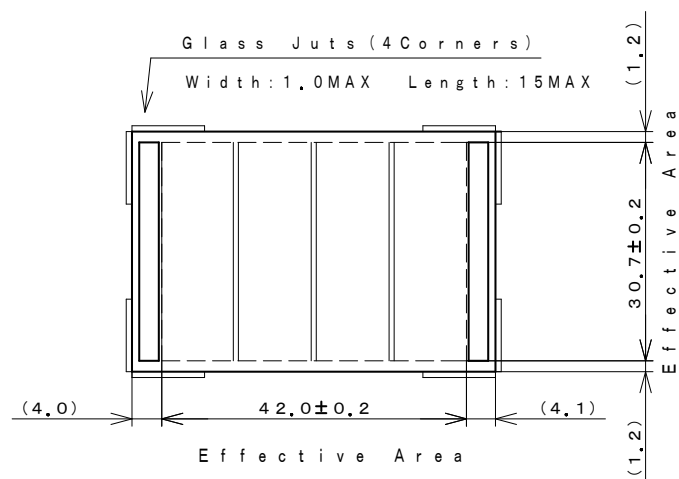
アモルファスシリコン太陽電池 仕様

Model : AM-5412C-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	3.4 V	at 50 kLx SS
2.2 Short circuit Current : Isc 短絡電流	Typical	19.4 mA	at 50 kLx SS
2.3 Operating Voltage & Operating Current : Vop - Iop 動作特性	Minimum	2.0 V - 13.5 mA	at 50 kLx SS
	Typical	2.2 V - 17.9 mA	at 50 kLx SS
	Typical	2.2 V - 39.8 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)	4.4 mW	Vop = 2.6 V Iop = 16.9 mA at 50 kLx SS
	(reference)	9.3 mW	Vop = 2.6 V Iop = 35.8 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℃		

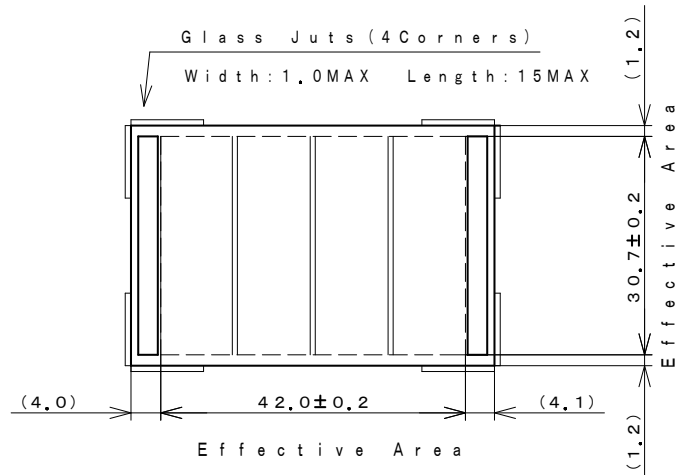
SS: Solar Simulator

アモルファスシリコン太陽電池 仕様

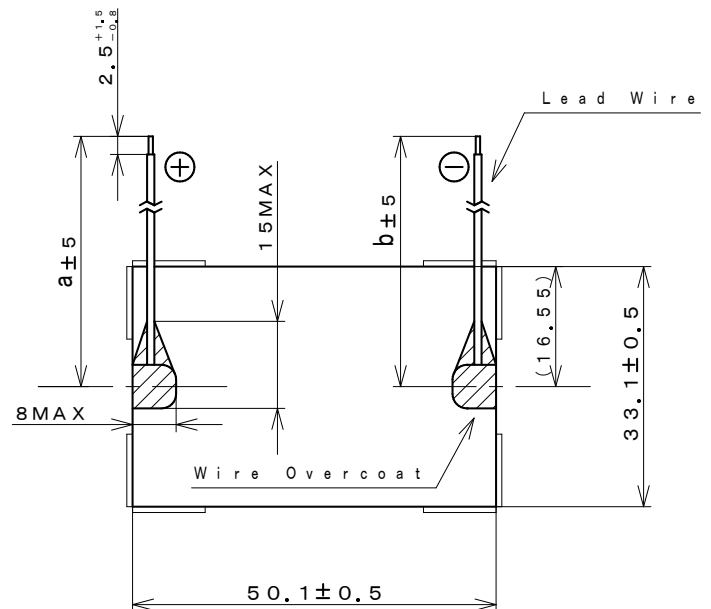
Model : AM-5412CAR-T

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: 100	b: 100

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	3.4 V	at 50kLx SS
2.2 Short circuit Current: Isc 短絡電流	Typical	19.4 mA	at 50kLx SS
2.3 Operating Voltage & Operating Current: Vope-Iope 動作特性	Minimum	2.0 V - 13.5 mA	at 50kLx SS
	Typical	2.2 V - 17.9 mA	at 50kLx SS
	Typical	2.2 V - 39.8 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=2.6 V Iop=16.9 mA at 50kLx SS
	(reference)	93 mW	Vop=2.6 V Iop=35.8 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

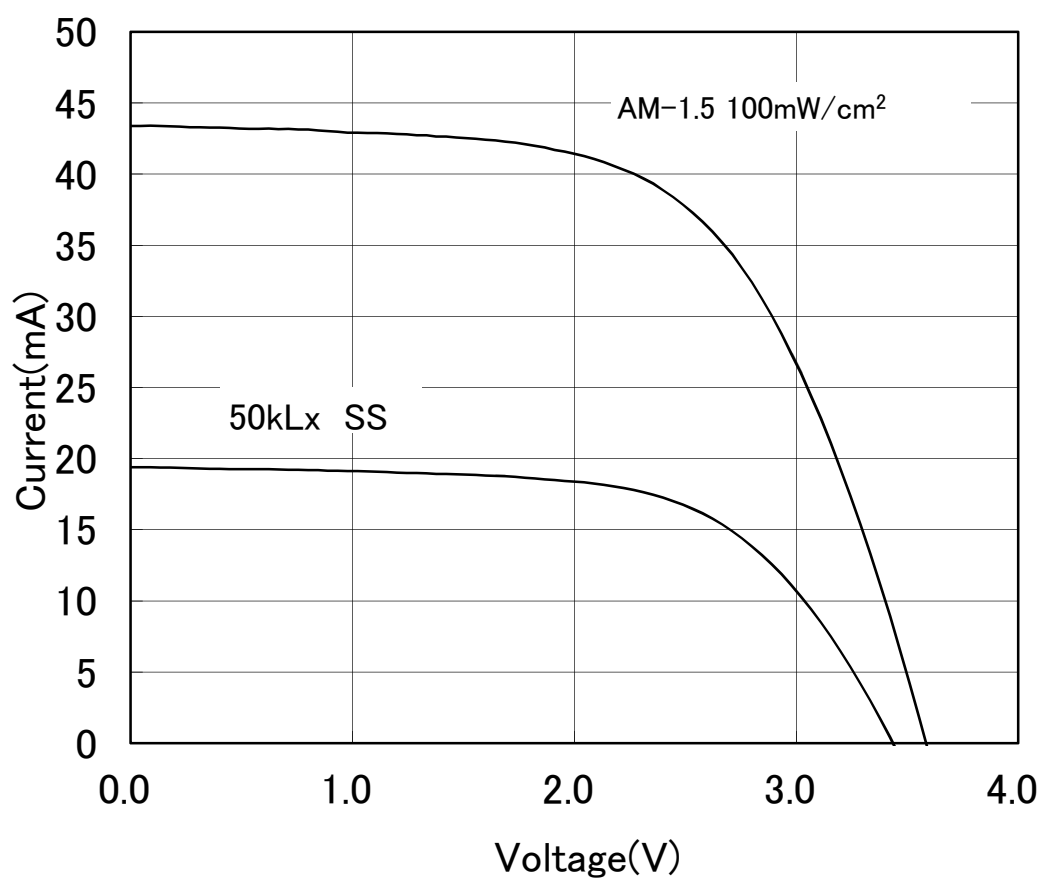
I – V Characteristics

REFERENCE

1.Model : AM-5412

2.Outside Dimension : 50.1mm × 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.

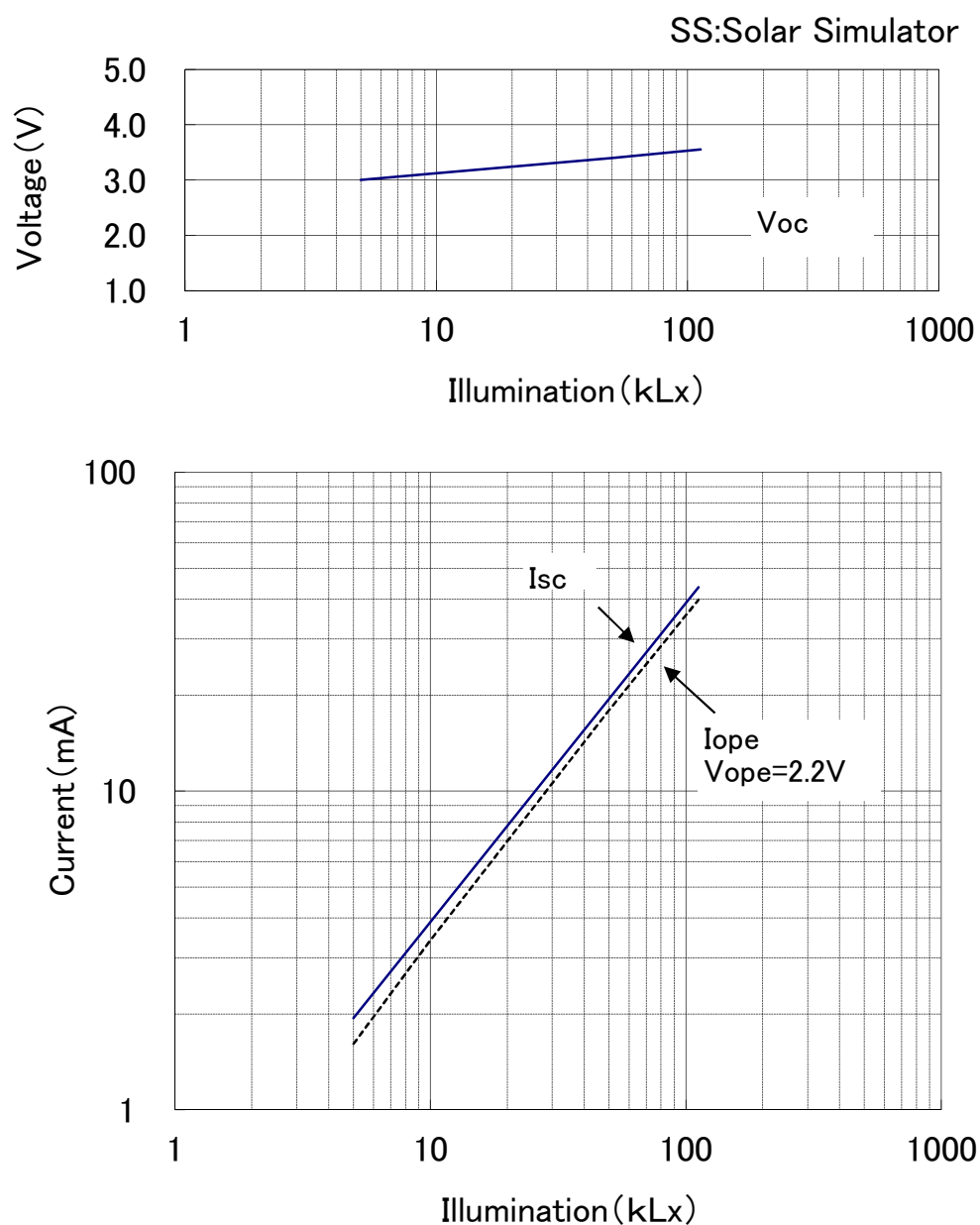
出力の照度依存特性

REFERENCE

Dependence of Output on Illumination

1.Model : AM-5412

2.Outside Dimension : 50.1mm × 33.1mm



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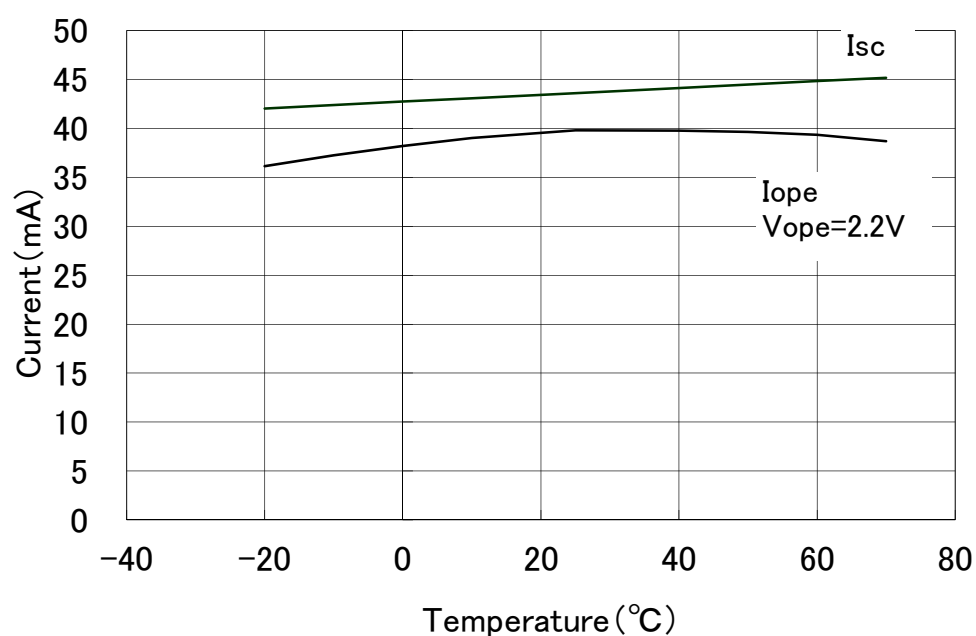
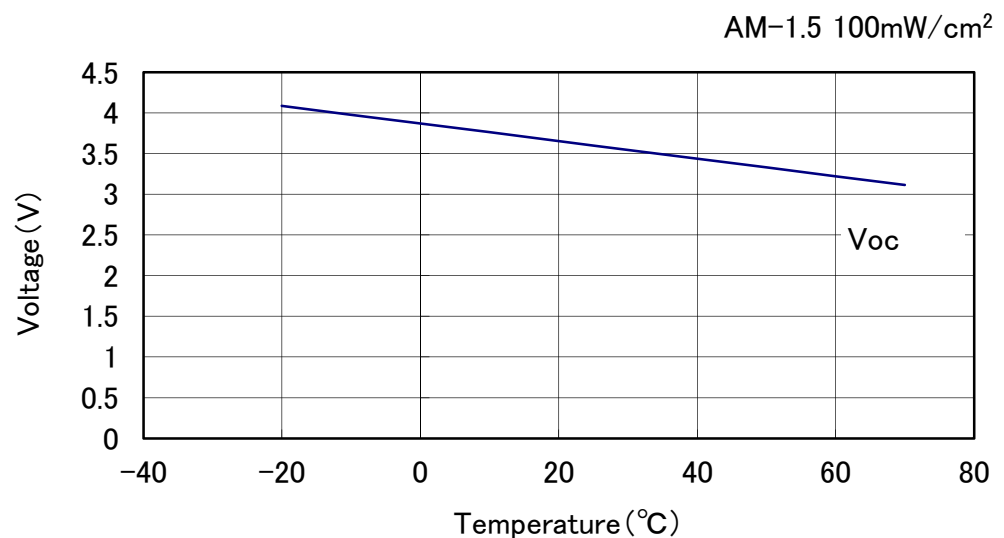
出力の温度依存特性

REFERENCE

Dependence of Output on Temperature

1.Model : AM-5412

2.Outside Dimension : 50.1mm × 33.1mm



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