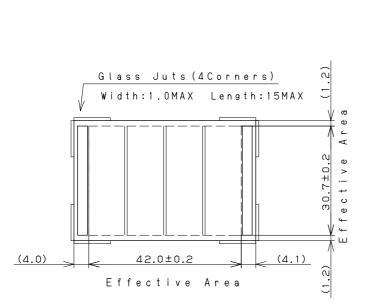
## Amorphous Silicon Solar Cells Speccification アモルファスシリコン太陽電池 仕様

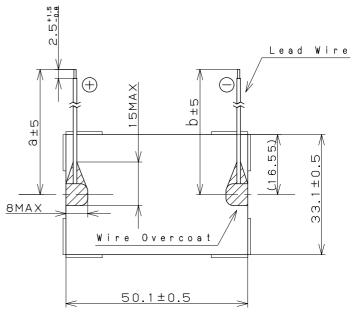
## Model: AM-5412CAR

1.Outside dimensions 外形寸法

Light Receiving Side (受光面)

Overcoat Side (オーハ゛-コート面)





(dimension:mm)

Lead Wire	s : AWG30
a:100	b:100

 $N \mathrel{o} t \mathrel{e}$ 

Glass Substrate Thickness (ガラス甚板厚):1.8mm±0.2 Module Thickness (モジュール厚):2.2mmMAX Wire-Overcoat Thickness:3.3mmMAX (including Module

Wire-Overcoat Thickness:3.3mmMAX (including Module) (y-F線補正コート厚)

2.Rated Specifications (at 25℃)

I t e m			Specifications (Initial)		
2.1	Open circuit voltage:Voc 開放電圧	Typical	3.4V	at 50kLx SS	
2.2	Short circuit Current:Isc 短絡電流	Typical	19.4mA	at 50kLx SS	
2.3 Operating Voltage & Operating Current:Vope-Iope 動作特性		Minimum	2.0V - 13.5mA	at 50kLx SS	
		Typical	2.2V - 17.9mA	at 50kLx SS	
		Typical	2.2V - 39.8mA	at AM-1.5 100mW/cm²	
	Maximum output:Pmax & optimum operating Volt:Vop opeimum operating Current:Iop 最大出力	(reference)	V o p = 2 . 6 V 4 4 m W I o p = 16.9 m A	at 50kLx SS	
		(reference)	93mW Vop=2.6V Iop=35.8mA	at AM-1.5 100mW/cm²	
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℃		

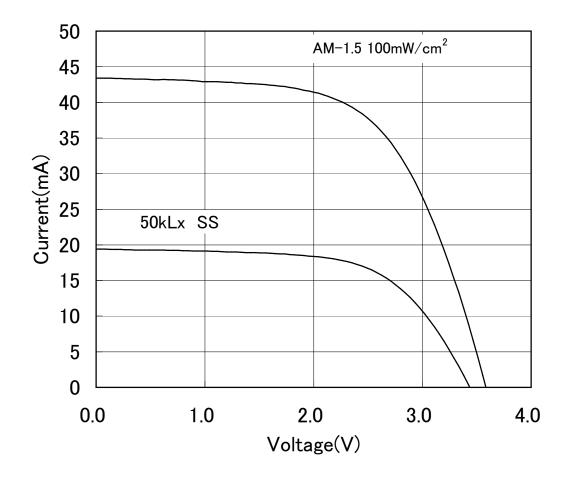
## I - V Characteristics

REFERENCE

1.Model: AM-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.

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## 出力の照度依存特性

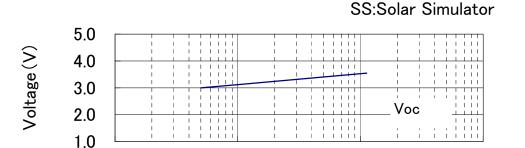
REFERENCE

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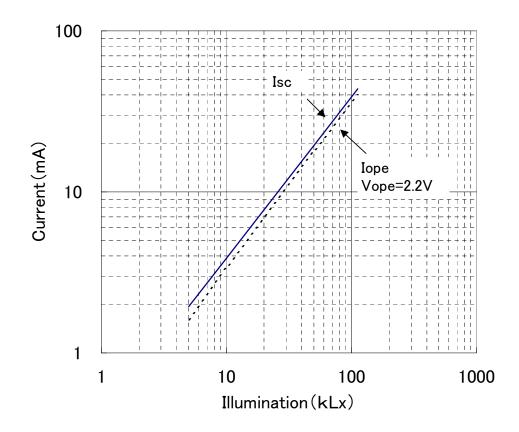
Dependence of Output on Illumination

1.Model: AM-5412

2.Outside Dimension: 50.1mm × 33.1mm



10 100 Illumination (kLx)



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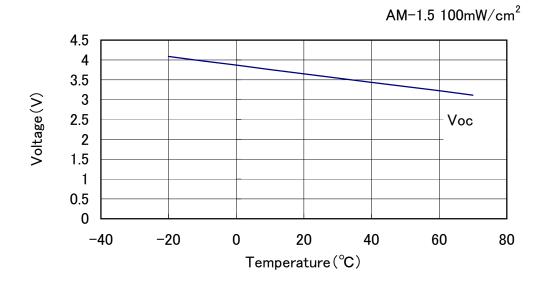
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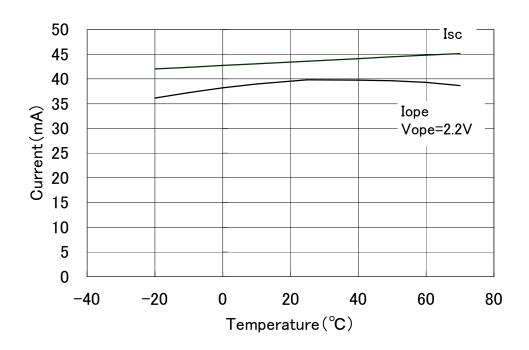
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Dependence of Output on Temperature

1.Model: AM-5412

2.Outside Dimension: 50.1mm × 33.1mm





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