

## SANYO Amorphous Silicon Solar Cells Specification

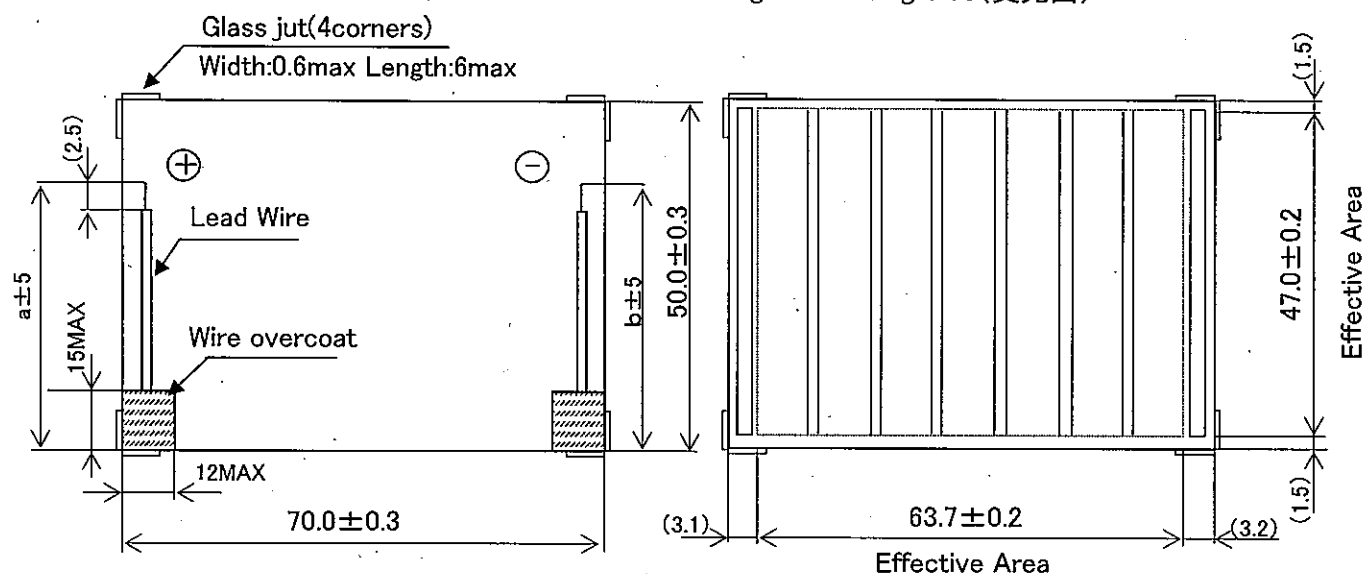
## サンヨーアモルファスシリコン太陽電池仕様

## Model: AM-5706CAR

## 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 : AWG30

a :101

b :101

## Note

Glass Substrate Thickness(ガラス基板厚): 1.1mm±0.1

Module Thickness(モジュール厚): 1.3MAX(including overcoat)

Wire-Overcoat Thickness : 2.5mmMAX(including Module)

(リット線補正コート部厚)

## 2. Rated Specifications(at 25°C)

Items	Specifications(Initial)		
2.1 Opencircuit voltage:Voc 開放電圧	Typical	6.0 V	at 50kLx SS
2.2 Short circuit Current:Isc 短絡電流	Typical	22.6 mA	at 50kLx SS
2.3 Operating Voltage & Operating Current: Vo <sub>ope</sub> -I <sub>ope</sub> 動作特性	Typical	3.9 V- 21.0 mA	at 50kLx SS
	Typical	3.9 V- 45.9 mA	at AM-1.5 100mW/cm <sup>2</sup>
2.4 Maximum output : P <sub>max</sub> & optimum operating volt:V <sub>op</sub> optimum operating current:I <sub>op</sub> 最大出力	(reference)	88mW	V <sub>op</sub> =4.6V I <sub>op</sub> =19.1mA at 50kLx SS
	(reference)	186mW	V <sub>op</sub> =4.6V I <sub>op</sub> =40.5mA at AM-1.5 100mW/cm <sup>2</sup>
2.5 Working temperature range 動作温度範囲	-10 to 60°C		
2.6 Storage temperature range 保存温度範囲	-20 to 70°C		

SS:Solar Simulator

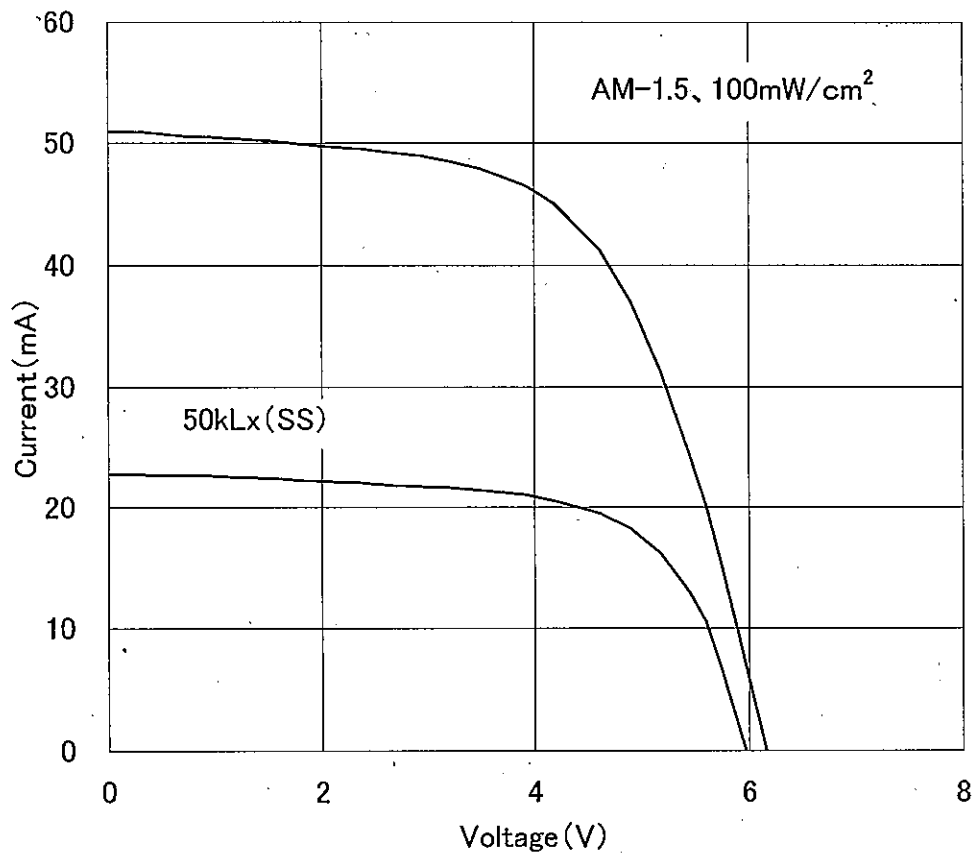
# I - V Characteristics

REFERENCE

1. Model : AM-5706CAR

2. Outside Dimension : 70.0 mm × 50.0 mm

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.

Kanto SANYO Semiconductors Co.,Ltd.

2008/7/8

# 出力の照度依存特性

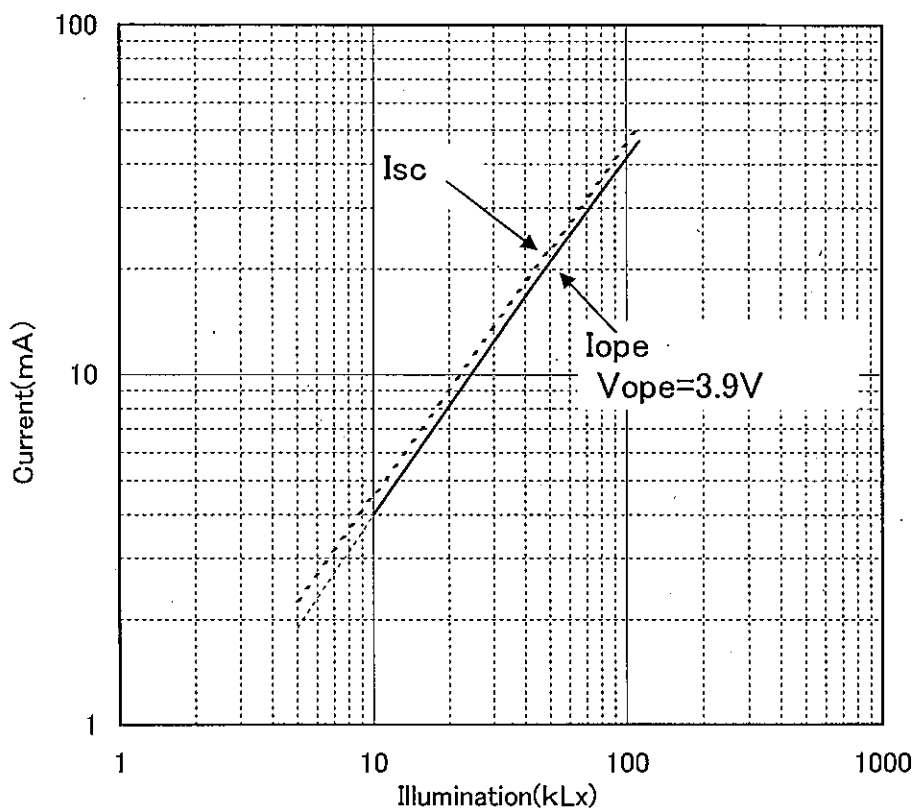
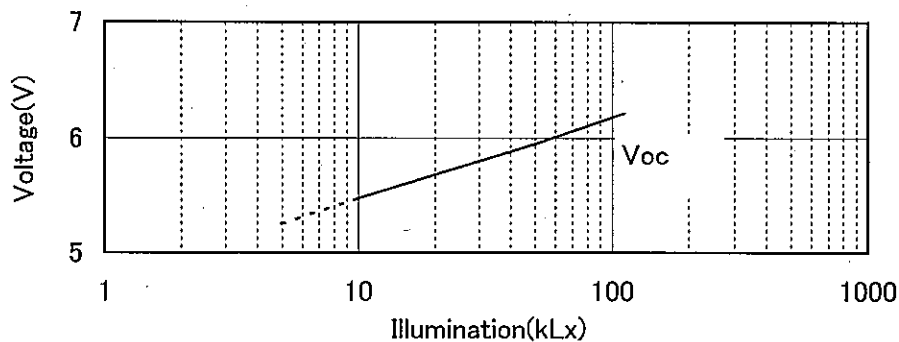
Dependence of Output on Illumination

REFERENCE

1. Model : AM-5706CAR

2. Outside Dimension : 70.0 mm × 50.0 mm

Measured at Solar Simulator (25°C)



\*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.

Kanto SANYO Semiconductors Co.,Ltd.

2008/7/8

# 出力の温度依存特性

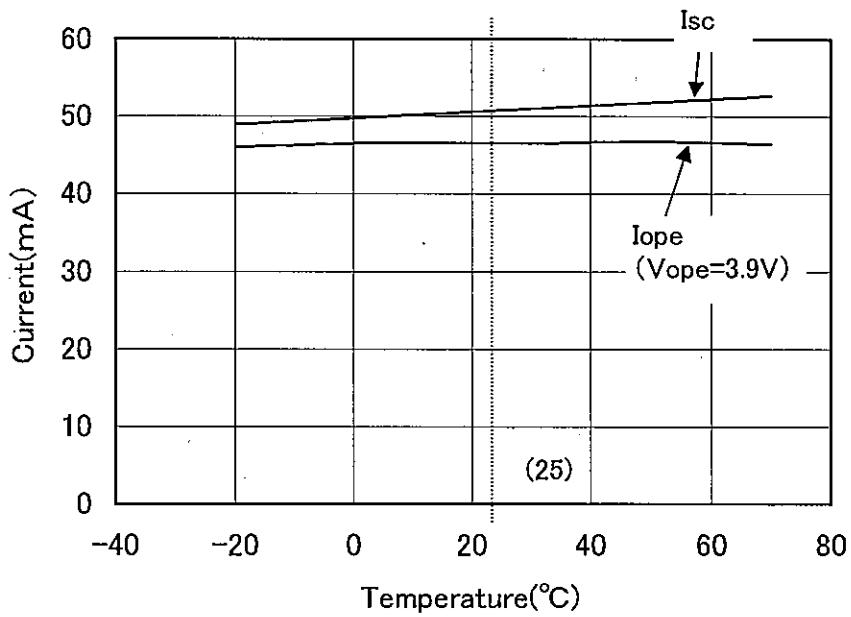
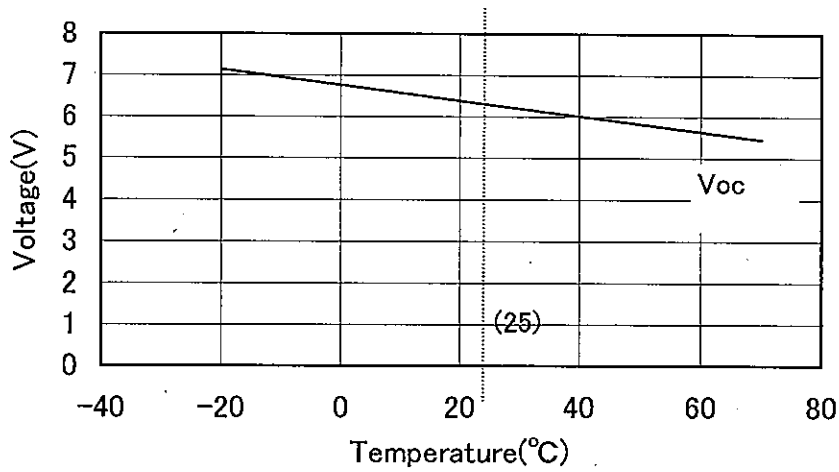
## Dependence of Output on Temperature

REFERENCE

1. Model : AM-5706CAR

2. Outside Dimension : 70.0 mm × 50.0 mm

Measured at AM-1.5 100mW/cm<sup>2</sup>



\*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.

Kanto SANYO Semiconductors Co.,Ltd.

2008/7/8