

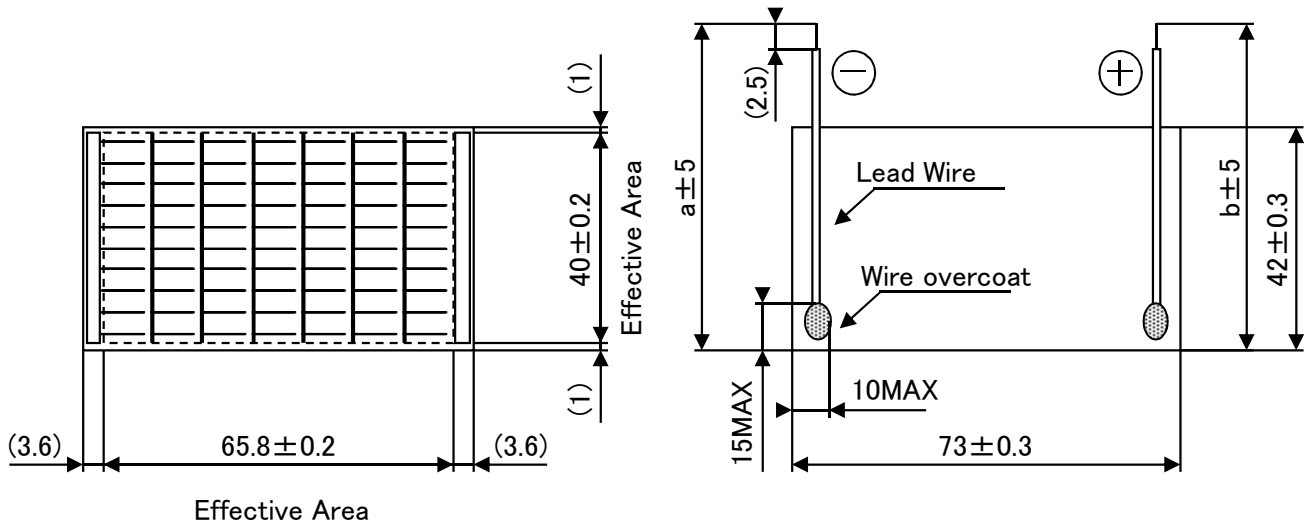
Amorphous Silicon Solar Cells Specification

アモルファスシリコン太陽電池 仕様

Model: AT-7705

1. Outside dimensions 外形寸法
Light Receiving Side(受光面)

Back Side(裏面)



(Dimension:mm)

LEAD WIRES: AWG30	
a: 105	b: 105

Note

Module Thickness(モジュール厚) : $0.3\text{mm} \pm 0.1$
Wire-Overcoat Thickness : 2.0mm MAX (including Module)

2. Rated Specifications(at 25°C)

Items	Specifications(Initial)		
2.1 Opencircuit voltage:Voc 開放電圧	Typical	5.5 V	at 50kLx SS
2.2 Short circuit Current:Isc 短絡電流	Typical	17.9 mA	at 50kLx SS
2.3 Operating Voltage & Operating Current: Vope-Iope 動作特性	Minimum	3.5 V- 12.9 mA	at 50kLx SS
	Typical	3.5 V- 16.2 mA	at 50kLx SS
	Typical	3.5 V- 33.3 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)	62mW	Vop= 4.2V Iop= 14.7mA at 50kLx SS
	(reference)	128mW	Vop= 4.2V Iop= 30.5mA at AM-1.5 100mW/cm ²
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

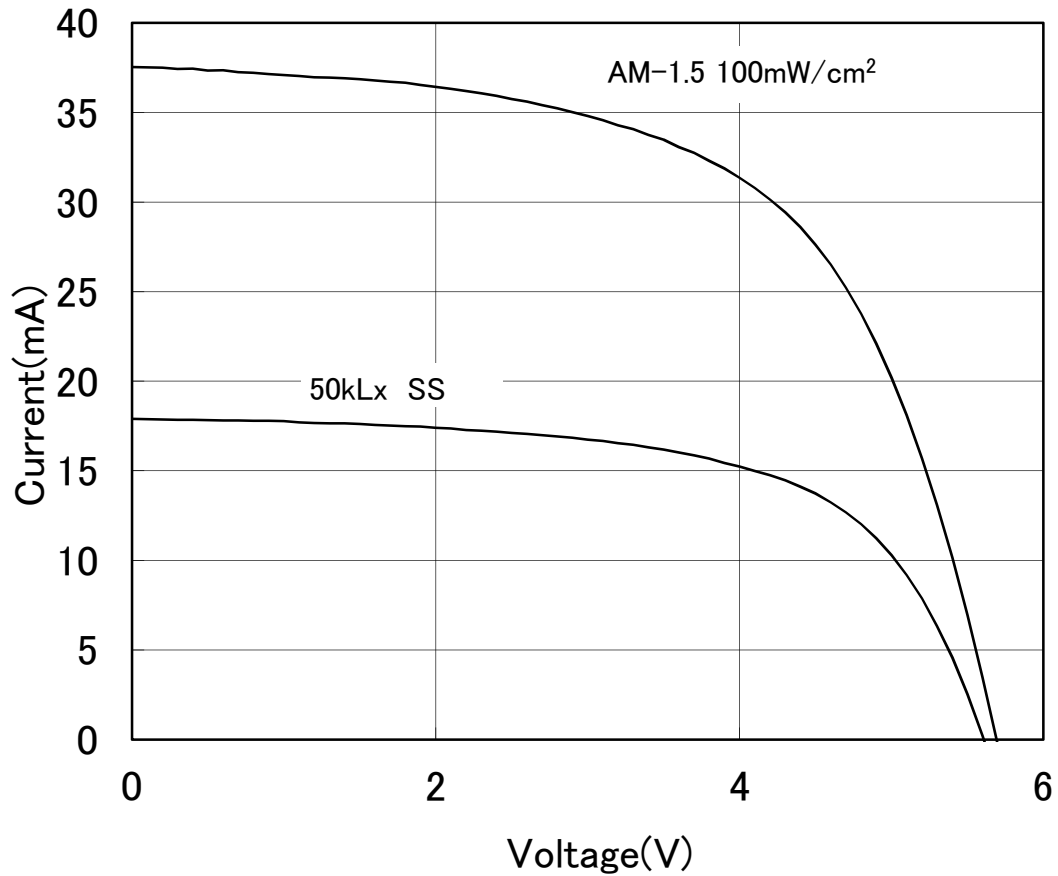
I-V Characteristics

REFERENCE

1.Model : AT-7705

2.Outside Dimension : 73.0mm × 42.0mm

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.

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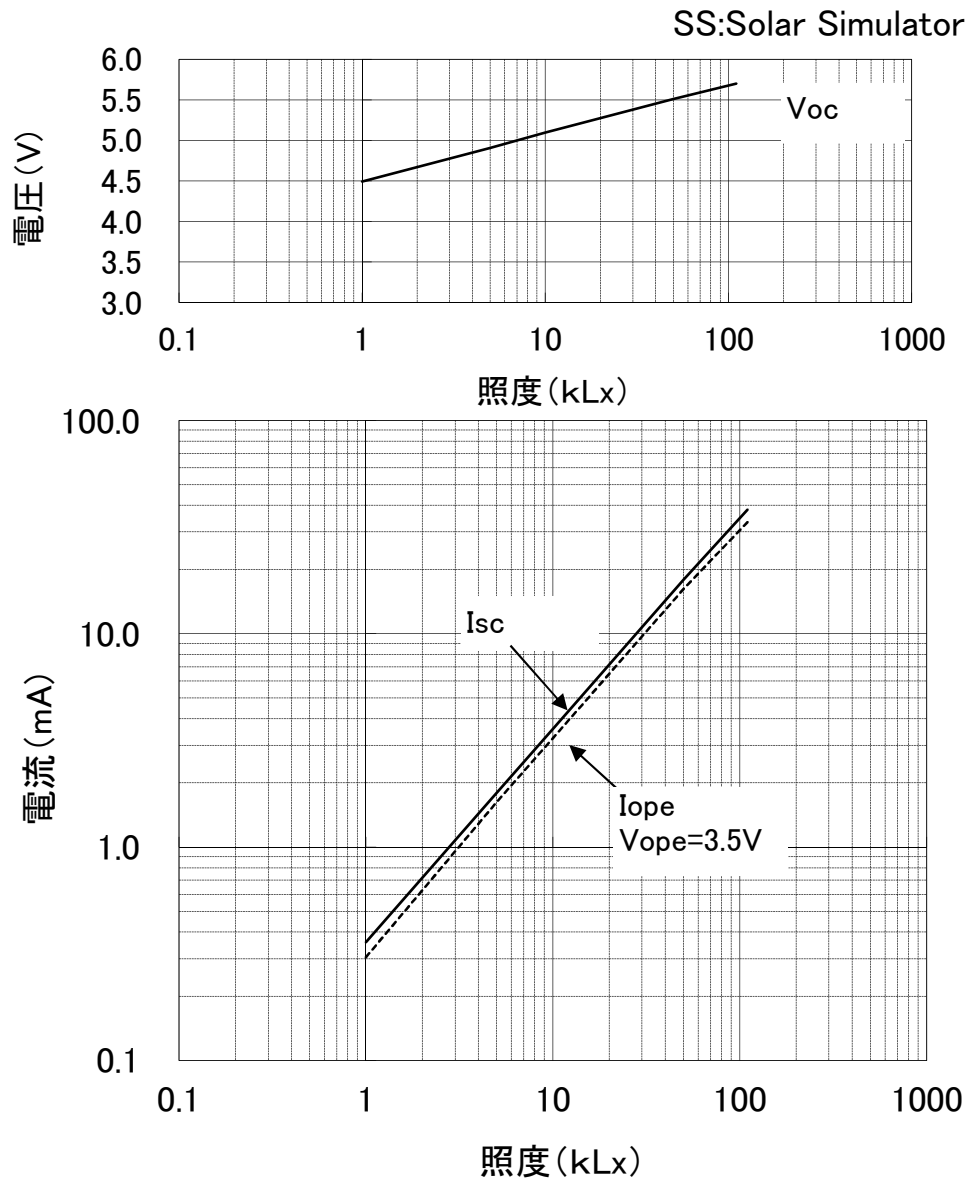
出力の照度依存特性

REFERENCE

Dependence of Output on Illumination

1.Model : AT-7705

2.Outside Dimension : 73.0mm × 42.0mm



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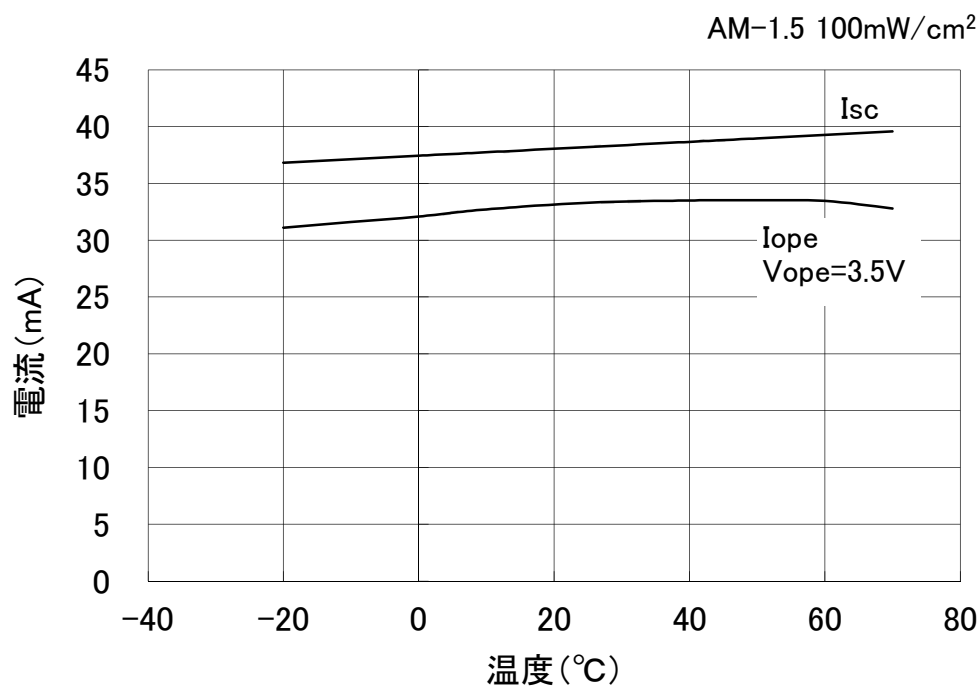
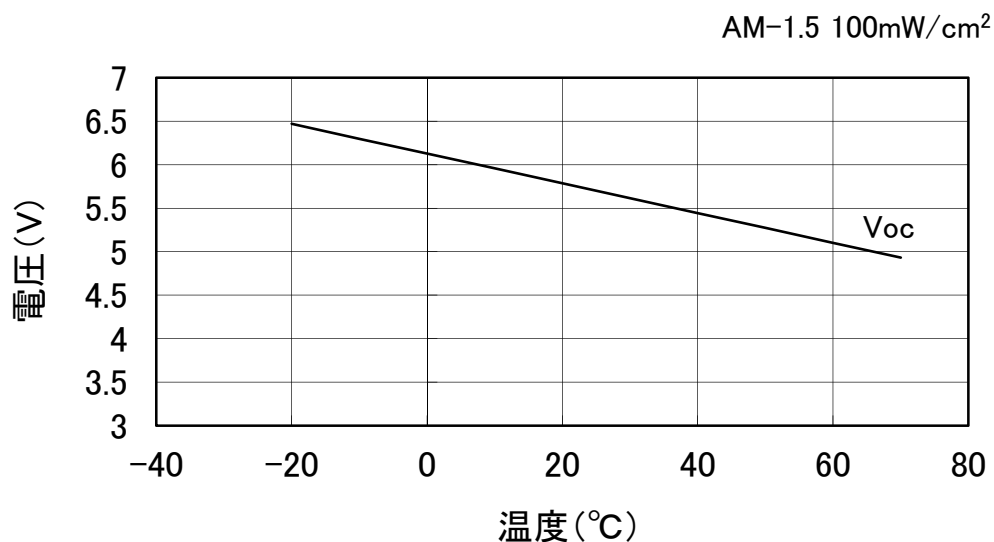
出力の温度依存特性

REFERENCE

Dependence of Output on Temperature

1.Model : AT-7705

2.Outside Dimension : 73.0mm × 42.0mm



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