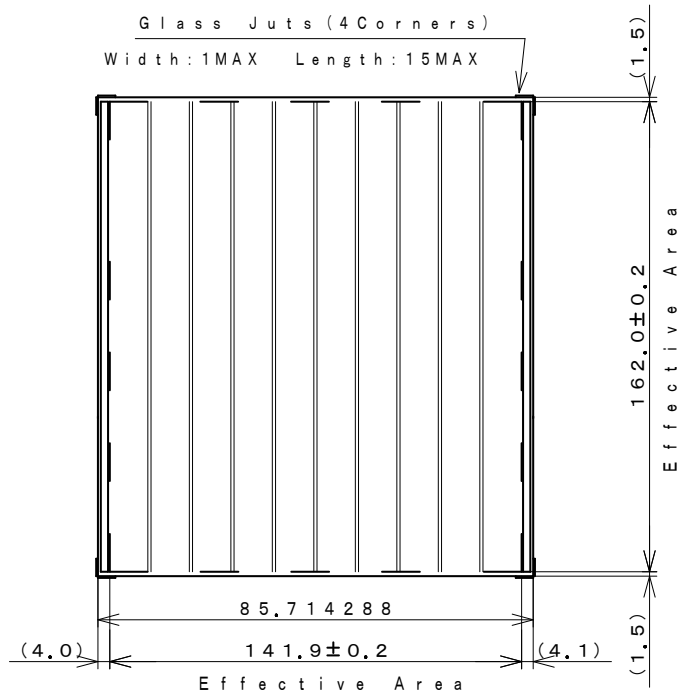


アモルファスシリコン太陽電池 仕様

Model : AM-7A03CAR-T

1. Outside dimensions 外形寸法

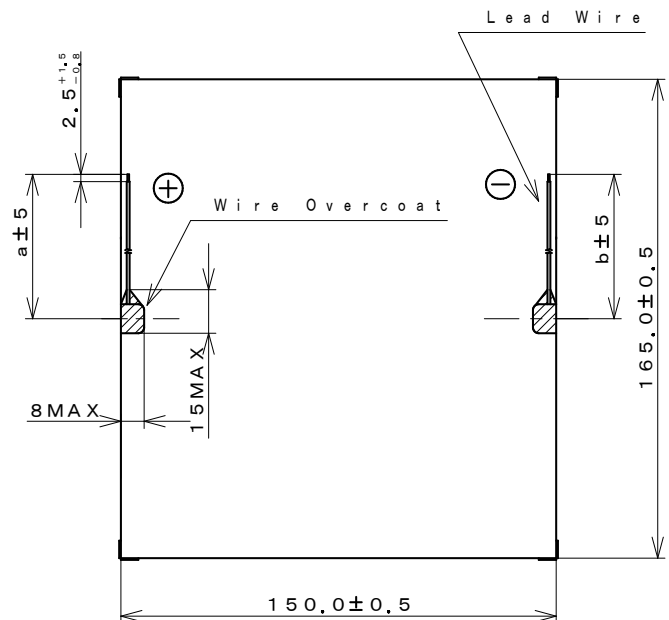
Light Receiving Side (受光面)



(dimension : mm)

Lead Wires : AWG28	
a : 155	b : 155

Overcoat Side (オーバーコート面)



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 8.6V at 50kLx SS
2.2 Short circuit Current : Isc 短絡電流	Typical 126.9mA at 50kLx SS
2.3 Operating Voltage & Operating Current : Vop-Iope 動作特性	Typical 5.5V-113.0mA at 50kLx SS
	Minimum 5.3V-182.0mA at AM-1.5 100mW/cm ²
	Typical 5.5V-227.0mA 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) 702mW Vop = 6.6V Iop = 106.3mA at 50kLx SS
	(reference) 1336mW Vop = 6.6V Iop = 202.3mA 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

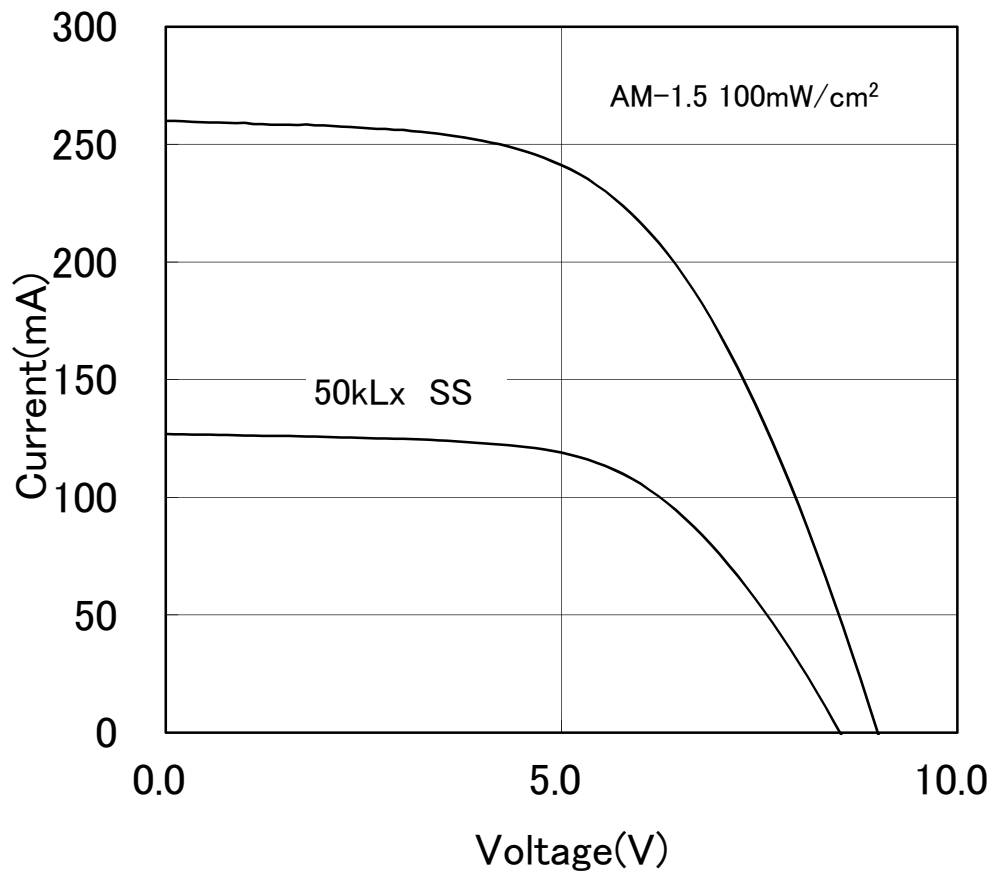
I - V Characteristics

REFERENCE

1.Model : AM-7A03

2.Outside Dimension : 150.0mm × 165.0mm

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.

2019/7/5

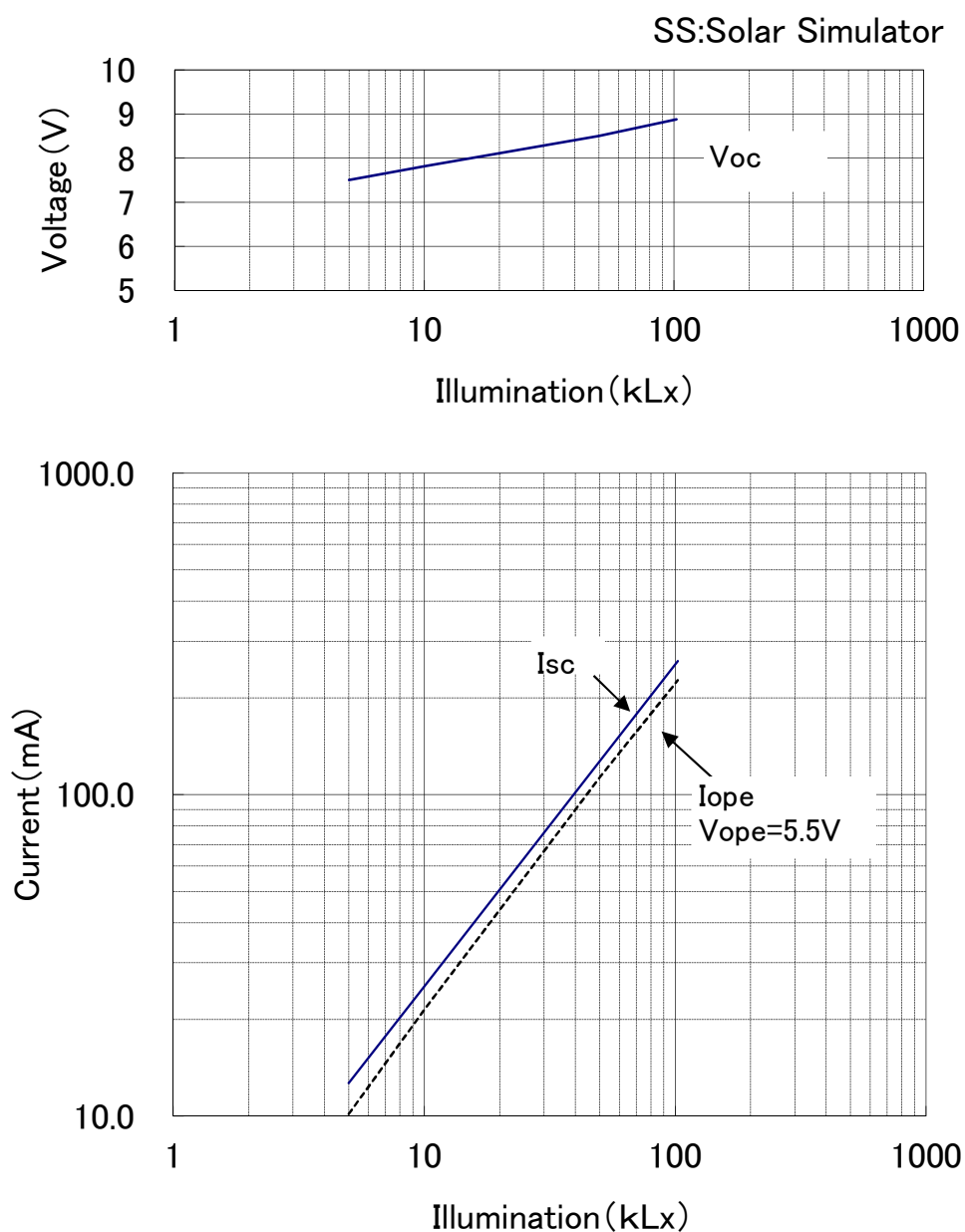
出力の照度依存特性

REFERENCE

Dependence of Output on Illumination

1.Model : AM-7A03

2.Outside Dimension : 150.0mm × 165.0mm



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Panasonic Solar Amorton Co.,Ltd.

2019/7/5

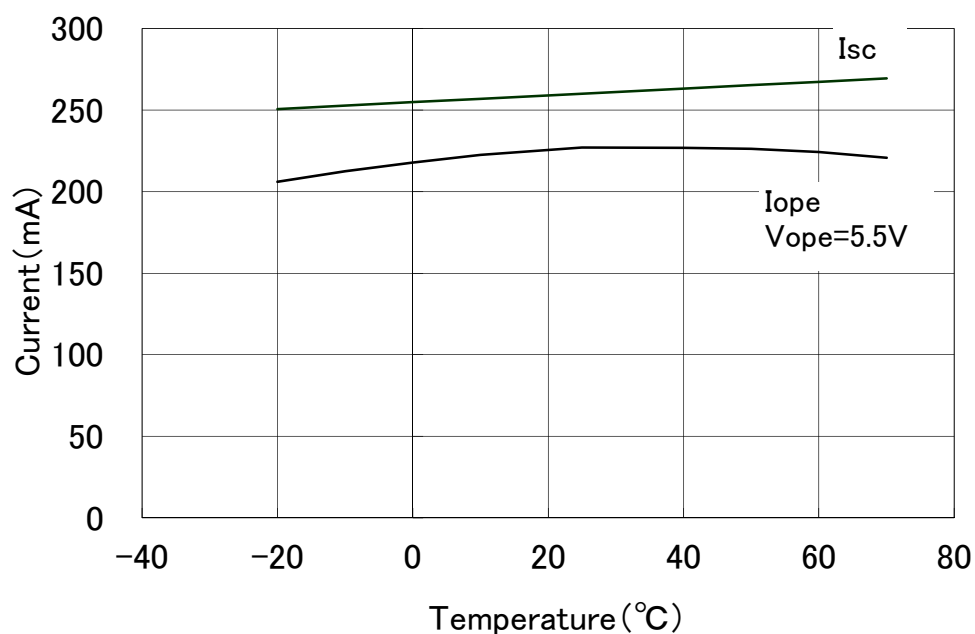
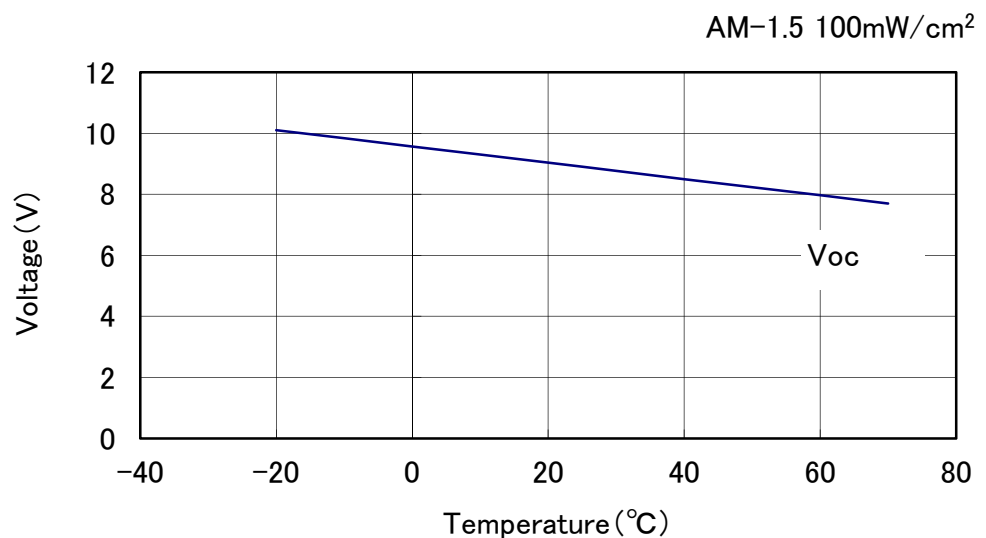
出力の温度依存特性

REFERENCE

Dependence of Output on Temperature

1.Model : AM-7A03

2.Outside Dimension : 150.0mm × 165.0mm



*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。

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