

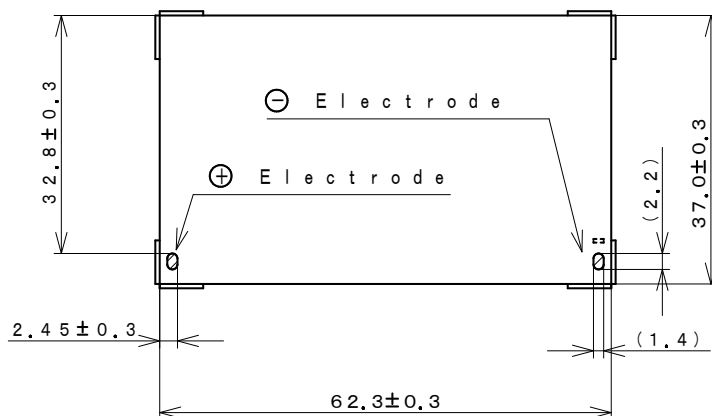
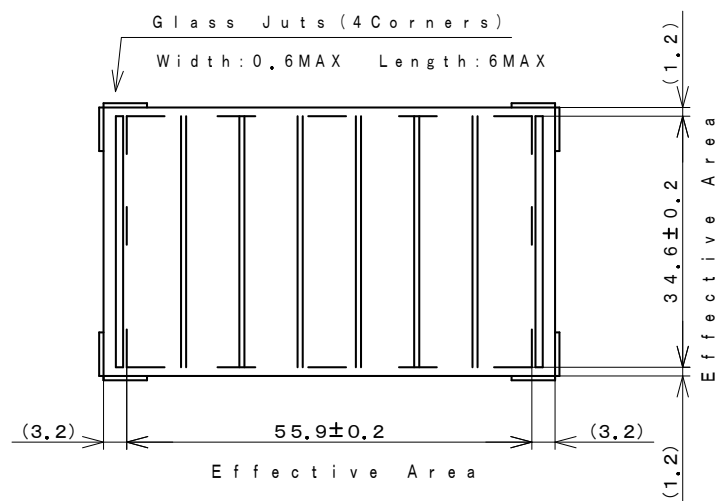
アモルファスシリコン太陽電池 仕様

Model : AM-5710C-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) : $1.6\text{mm} \pm 0.2$ Module Thickness (モジュール厚) : 2.0mm MAX

Accepts normal soldering for bending

(一般の半田を使用してリート線付けが可能です。)

2. Rated Specifications (at 25°C)

Item	Specifications (Initial)		
2.1 Open circuit voltage: V_{oc} 開放電圧	Typical	6.0 V	at 50 kLx SS
2.2 Short circuit Current: I_{sc} 短絡電流	Typical	15.9 mA	at 50 kLx SS
2.3 Operating Voltage & Operating Current: V_{op} - I_{op} 動作特性	Minimum	3.5 V - 11.2 mA	at 50 kLx SS
	Typical	3.9 V - 14.7 mA	at 50 kLx SS
	Typical	3.9 V - 32.6 mA	at AM-1.5 100 mW/cm ²
2.4 Maximum output: P_{max} & optimum operating Volt: V_{op} optimum operating Current: I_{op} 最大出力	(reference)	6.3 mW	$V_{op}=4.6\text{V}$ $I_{op}=13.7\text{mA}$ at 50 kLx SS
	(reference)	13.4 mW	$V_{op}=4.6\text{V}$ $I_{op}=29.0\text{mA}$ at AM-1.5 100 mW/cm ²
2.5 Working temperature range: T_{opr} 動作温度範囲	-10 to 60°C		
2.6 Storage temperature range: T_{stg} 保存温度範囲	-20 to 70°C		

SS: Solar Simulator

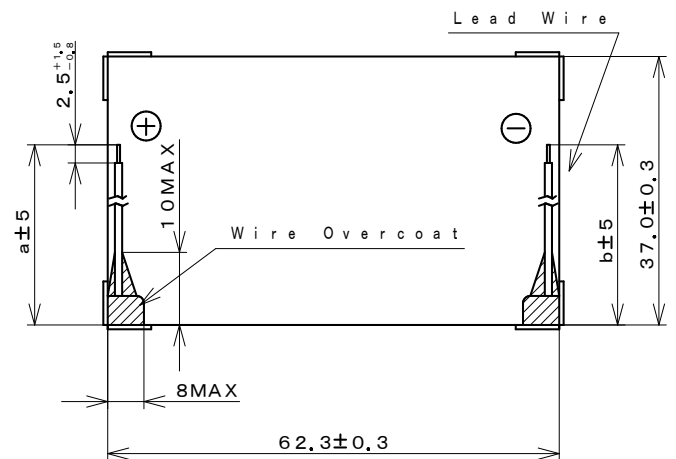
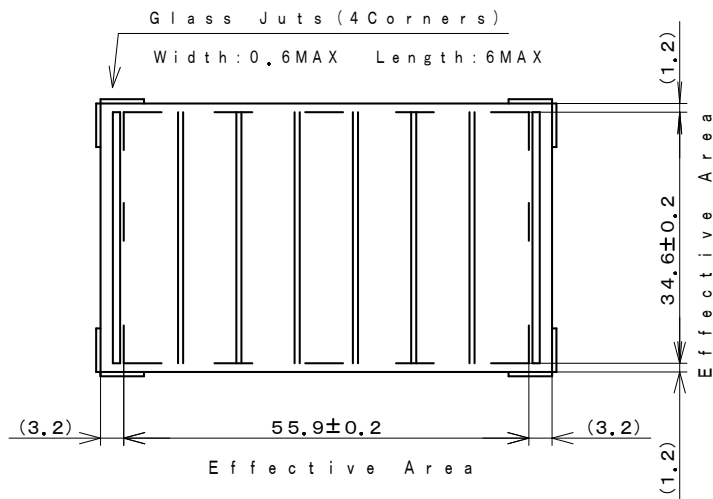
アモルファスシリコン太陽電池 仕様

Model : AM-5710CAR-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 : 101	b : 101

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

Wire-Overcoat Thickness : 3.1 mm 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	6.0 V	at 50 kLx SS
2.2 Short circuit Current: Isc 短絡電流	Typical	15.9 mA	at 50 kLx SS
2.3 Operating Voltage & Operating Current: Vope-Iope 動作特性	Minimum	3.5 V - 11.2 mA	at 50 kLx SS
	Typical	3.9 V - 14.7 mA	at 50 kLx SS
	Typical	3.9 V - 32.6 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)	6.3 mW	Vop = 4.6 V Iop = 13.7 mA at 50 kLx SS
	(reference)	13.4 mW	Vop = 4.6 V Iop = 29.0 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

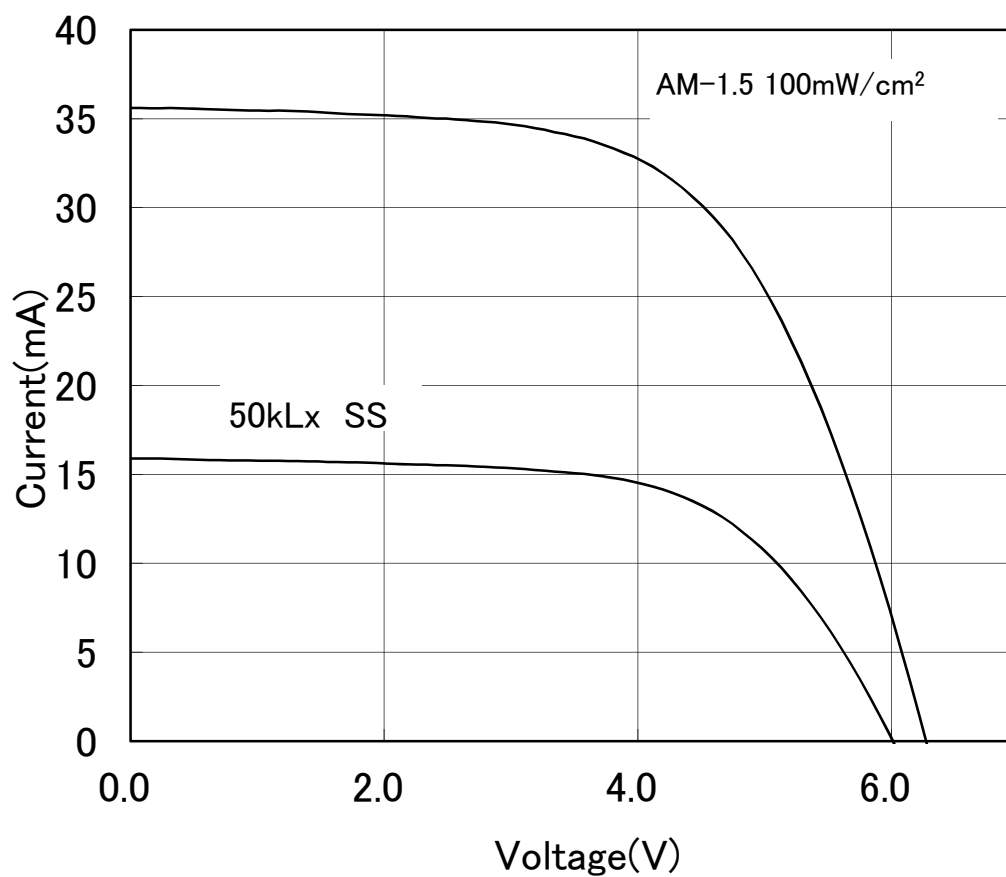
I – V Characteristics

REFERENCE

1.Model : AM-5710

2.Outside Dimension : 62.3mm × 37.0mm

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.

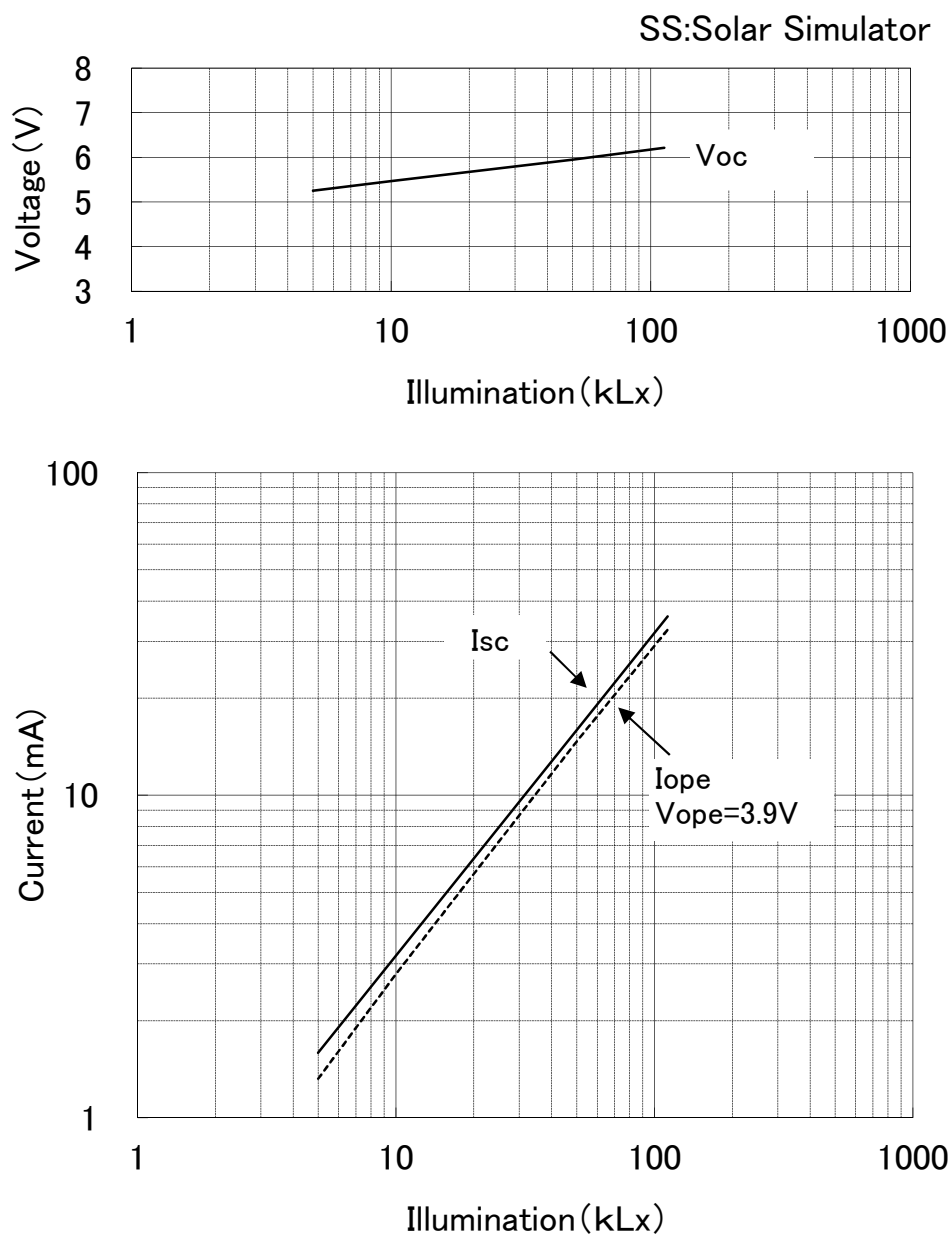
出力の照度依存特性

REFERENCE

Dependence of Output on Illumination

1.Model : AM-5710

2.Outside Dimension : 62.3mm × 37.0mm



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Panasonic Solar Amorton Co.,Ltd.

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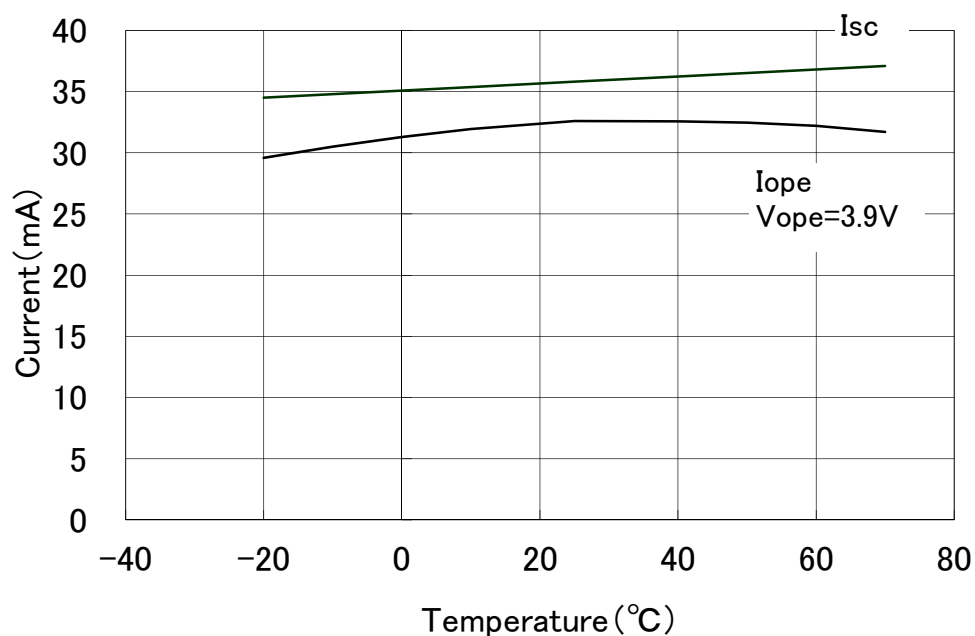
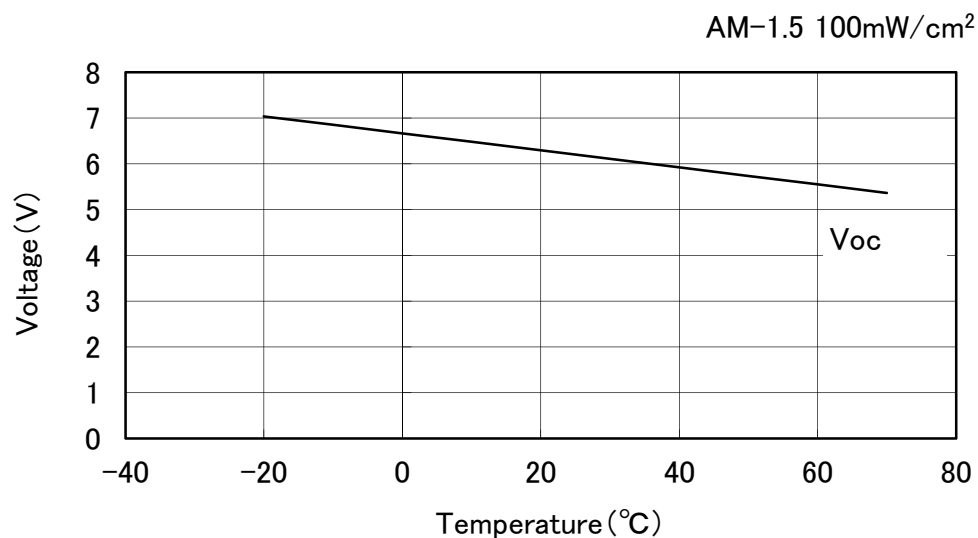
出力の温度依存特性

REFERENCE

Dependence of Output on Temperature

1.Model : AM-5710

2.Outside Dimension : 62.3mm × 37.0mm



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