

アモルファスシリコン太陽電池 仕様

Model : AM-5413C-T

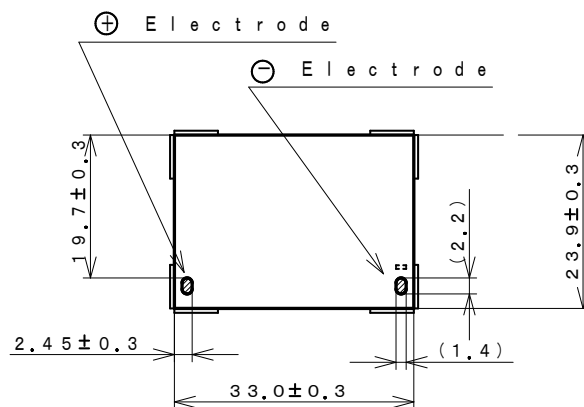
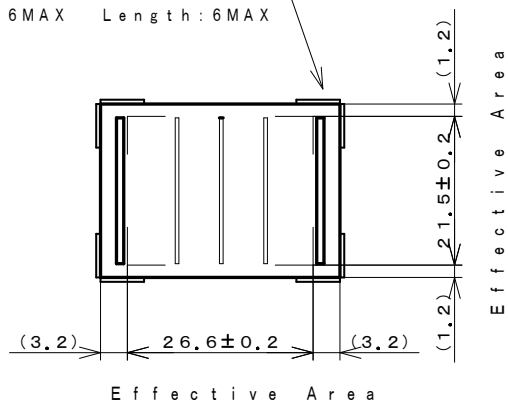
1. Outside dimensions 外形寸法

Light Receiving Side (受光面)

Overcoat Side (オーバーコート面)

Glass Juts (4 Corners)

Width: 0.6 MAX Length: 6 MAX



(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) : 2.0 mm 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	3.4 V	at 50 kLx SS
2.2 Short circuit Current: I_{sc} 短絡電流	Typical	8.1 mA	at 50 kLx SS
2.3 Operating Voltage & Operating Current: V_{op} - I_{op} 動作特性	Minimum	2.0 V - 5.7 mA	at 50 kLx SS
	Typical	2.2 V - 7.5 mA	at 50 kLx SS
	Typical	2.2 V - 16.7 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)	18 mW	$V_{op} = 2.6 \text{ V}$ $I_{op} = 7.1 \text{ mA}$ at 50 kLx SS
	(reference)	39 mW	$V_{op} = 2.6 \text{ V}$ $I_{op} = 15.0 \text{ mA}$ 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-5413CAR-T

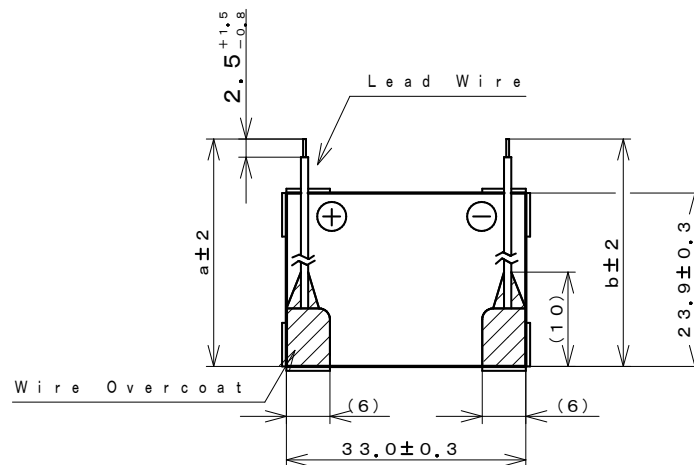
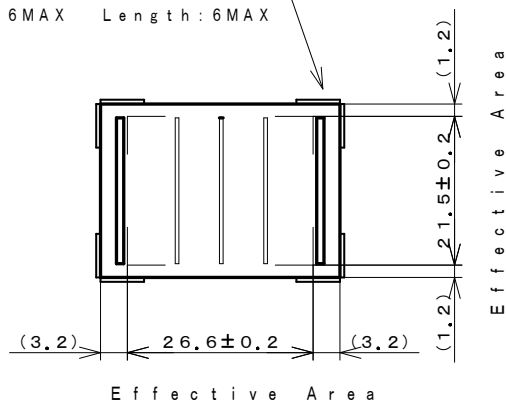
1. Outside dimensions 外形寸法

Light Receiving Side (受光面)

Overcoat Side (オーバーコート面)

Glass Juts (4 Corners)

Width: 0.6 MAX Length: 6 MAX



(dimension: mm)

Lead Wires : AWG28	
a : 51	b : 51

Note

Glass Substrate Thicknee (ガラス基板厚) : $1.6 \text{ mm} \pm 0.2$ 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°C)

Item	Specifications (Initial)		
2.1 Open circuit voltage : V_{oc} 開放電圧	Typical	3.4 V	at 50 kLx SS
2.2 Short circuit Current : I_{sc} 短絡電流	Typical	8.1 mA	at 50 kLx SS
2.3 Operating Voltage & Operating Current : V_{op} - I_{op} 動作特性	Minimum	2.0 V - 5.7 mA	at 50 kLx SS
	Typical	2.2 V - 7.5 mA	at 50 kLx SS
	Typical	2.2 V - 16.7 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)	18 mW	$V_{op} = 2.6 \text{ V}$ $I_{op} = 7.1 \text{ mA}$ at 50 kLx SS
	(reference)	39 mW	$V_{op} = 2.6 \text{ V}$ $I_{op} = 15.0 \text{ mA}$ at AM-1.5 100 mW/cm ²
2.5 Working temperature range : T_{opr} 動作温度範囲	-10 to 60 $^\circ\text{C}$		
2.6 Storage temperature range : T_{stg} 保存温度範囲	-20 to 70 $^\circ\text{C}$		

SS: Solar Simulator

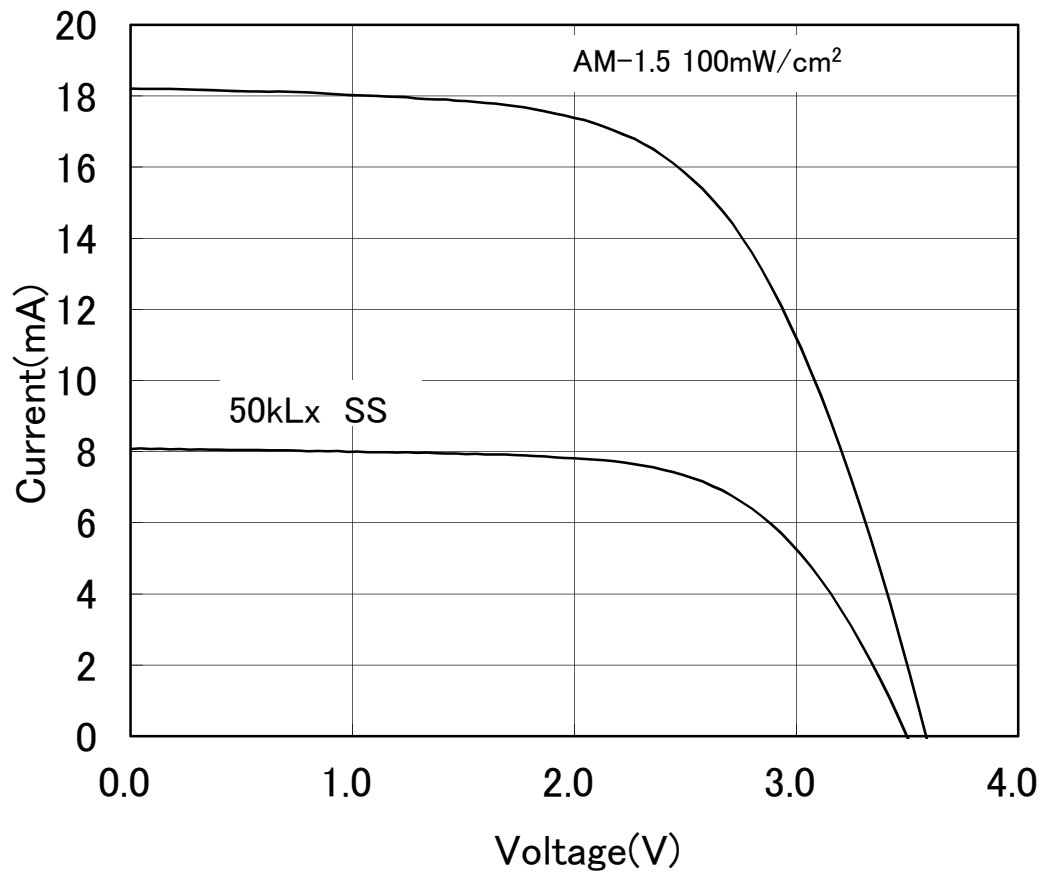
I – V Characteristics

REFERENCE

1.Model : AM-5413

2.Outside Dimension : 33.0mm × 23.9mm

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.

2019/5/23

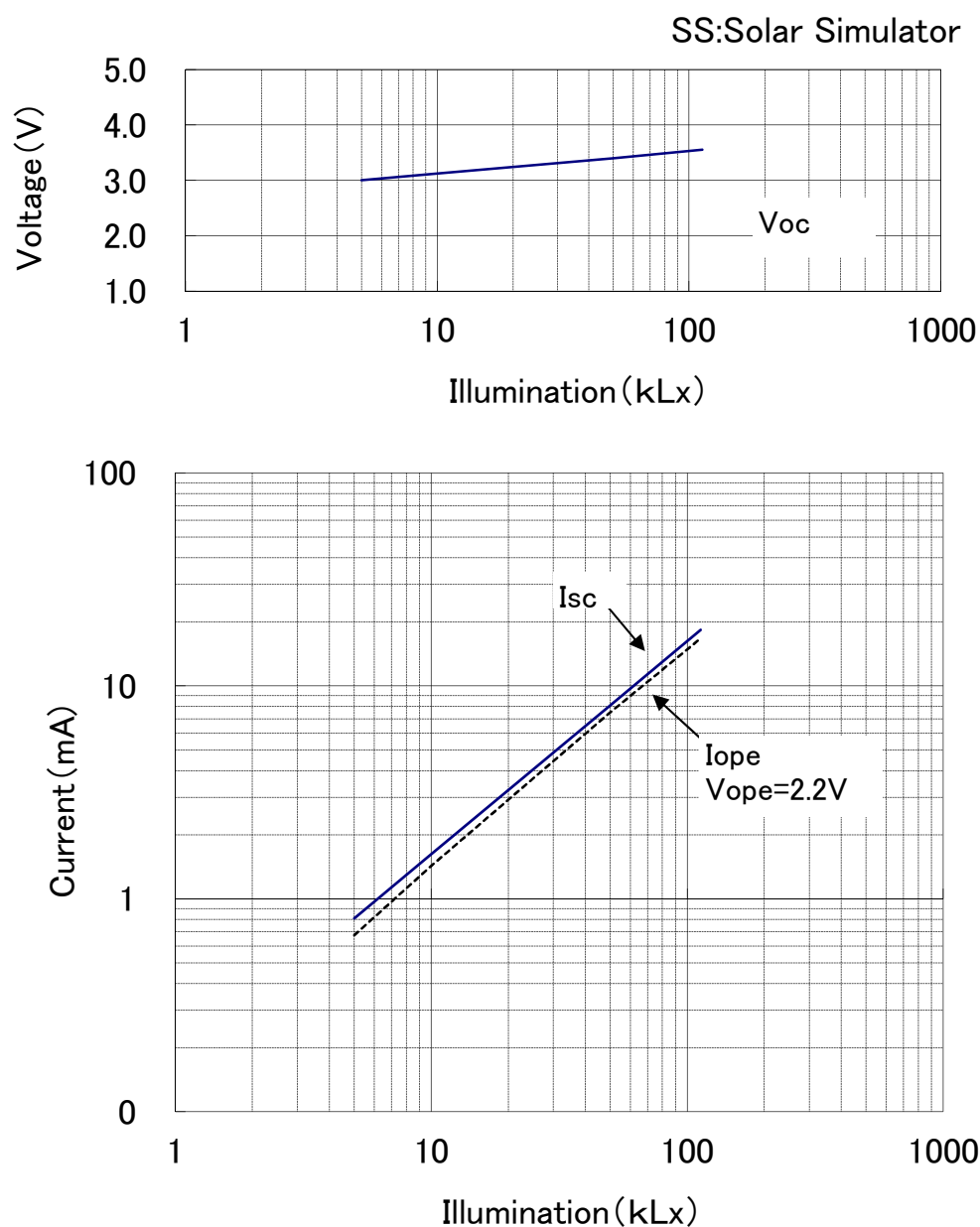
出力の照度依存特性

REFERENCE

Dependence of Output on Illumination

1.Model : AM-5413

2.Outside Dimension : 33.0mm × 23.9mm



*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.

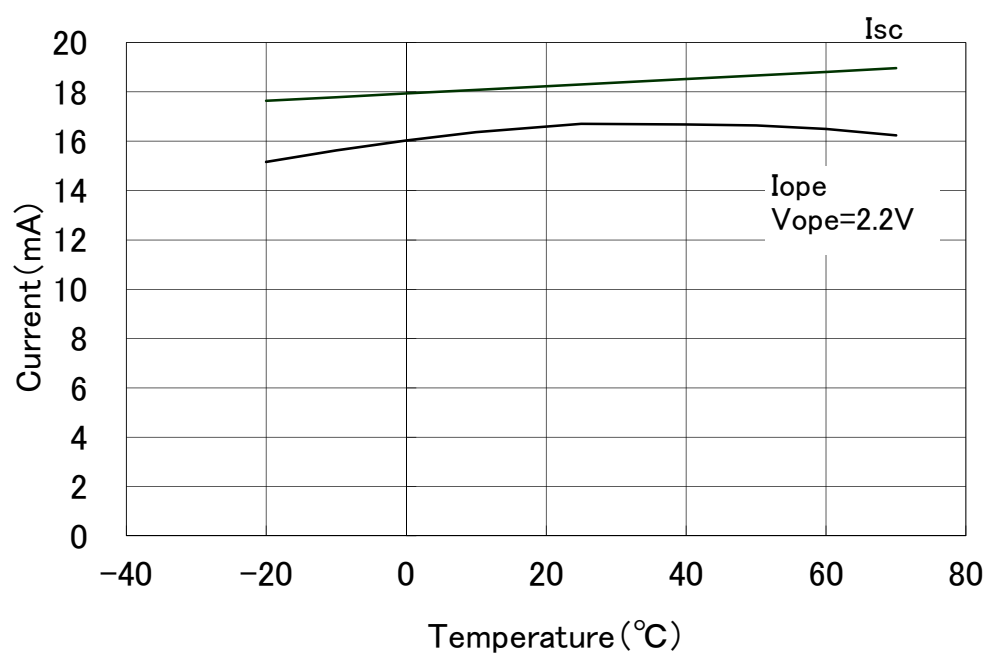
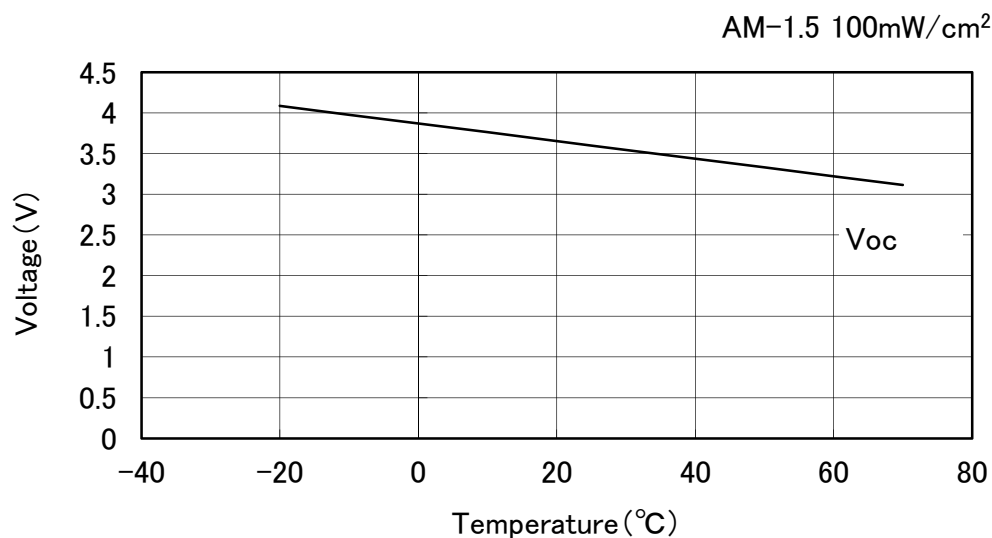
出力の温度依存特性

REFERENCE

Dependence of Output on Temperature

1.Model : AM-5413

2.Outside Dimension : 33.0mm × 23.9mm



*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.