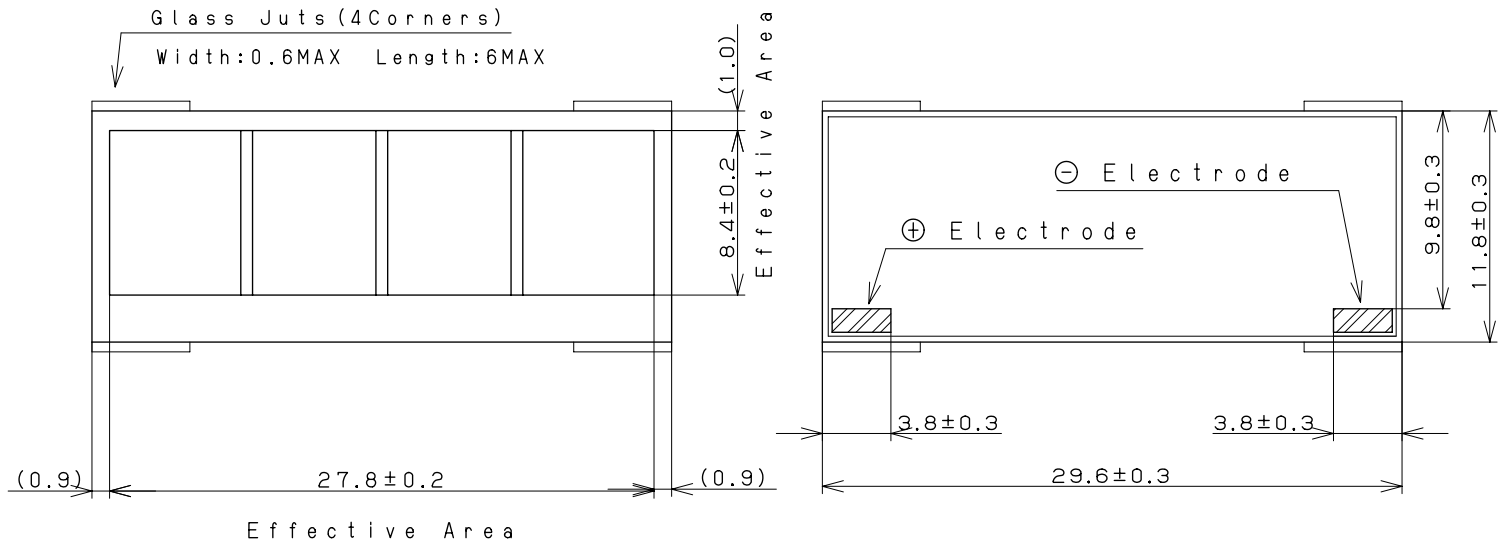


Model : AM-1437C

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): $1.1\text{mm} \pm 0.1$ Module Thickness (モジュール厚): 1.3mmMAX

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℃)

Item	Specifications (Initial)		
2.1 Open circuit voltage: Voc 開放電圧	Typical	2.5V	at 200Lx FL
2.2 Short circuit Current: Isc 短絡電流	Typical	$9.2\mu\text{A}$	at 200Lx FL
2.3 Operating Voltage & Operating Current: Vope-lope 動作特性	Typical	$1.4\text{V} - 2.0\mu\text{A}$	at 50Lx FL
	Minimum	$1.5\text{V} - 6.5\mu\text{A}$	at 200Lx FL
	Typical	$1.5\text{V} - 8.5\mu\text{A}$	at 200Lx FL
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℃		
2.7 Working illuminance range 使用照度範囲	~1000Lx		

FL: White Fluorescent Light

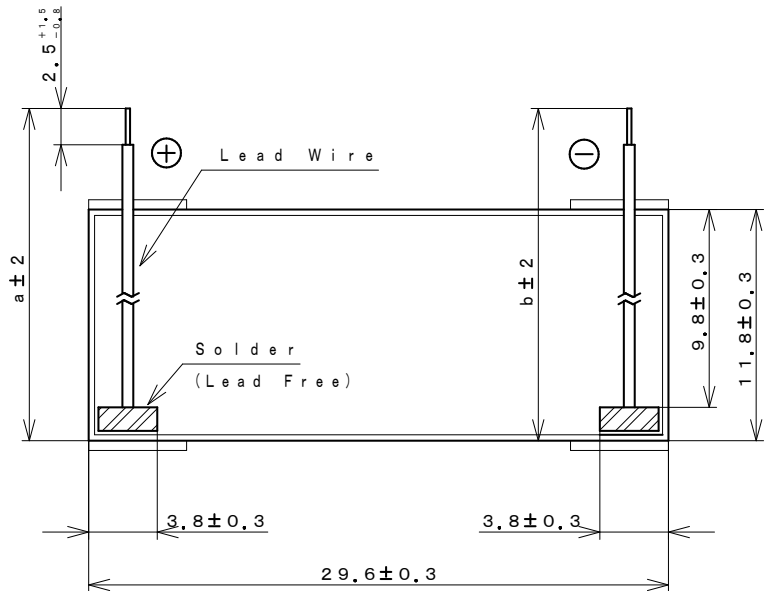
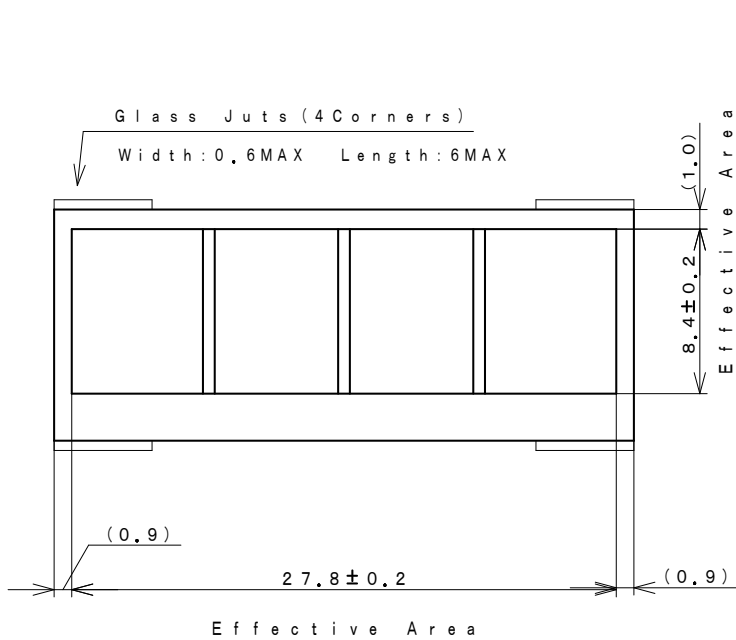
アモルファスシリコン太陽電池 仕様

Model : AM-1437CA

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 : 51	b : 51

Note

Glass Substrate Thickness (ガラス基板厚) : $1.1\text{mm} \pm 0.1$ Module Thickness (モジュール厚) : 1.3mm MAX Wire-Solder thickness : 2.5mm MAX (including Module)

(リード線半田付け部厚)

2. Rated Specifications (at 25℃)

Item	Specifications (Initial)
2.1 Open circuit voltage : V_{oc} 開放電圧	Typical 2.5V at 200Lx FL
2.2 Short circuit Current : I_{sc} 短絡電流	Typical $9.2\mu\text{A}$ at 200Lx FL
2.3 Operating Voltage & Operating Current : $V_{ope} - I_{ope}$ 動作特性	Typical $1.4\text{V} - 2.0\mu\text{A}$ at 50Lx FL
	Minimum $1.5\text{V} - 6.5\mu\text{A}$ at 200Lx FL
	Typical $1.5\text{V} - 8.5\mu\text{A}$ at 200Lx FL
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
2.7 Working illuminance range 使用照度範囲	$\sim 1000\text{Lx}$

FL: White Fluorescent Light

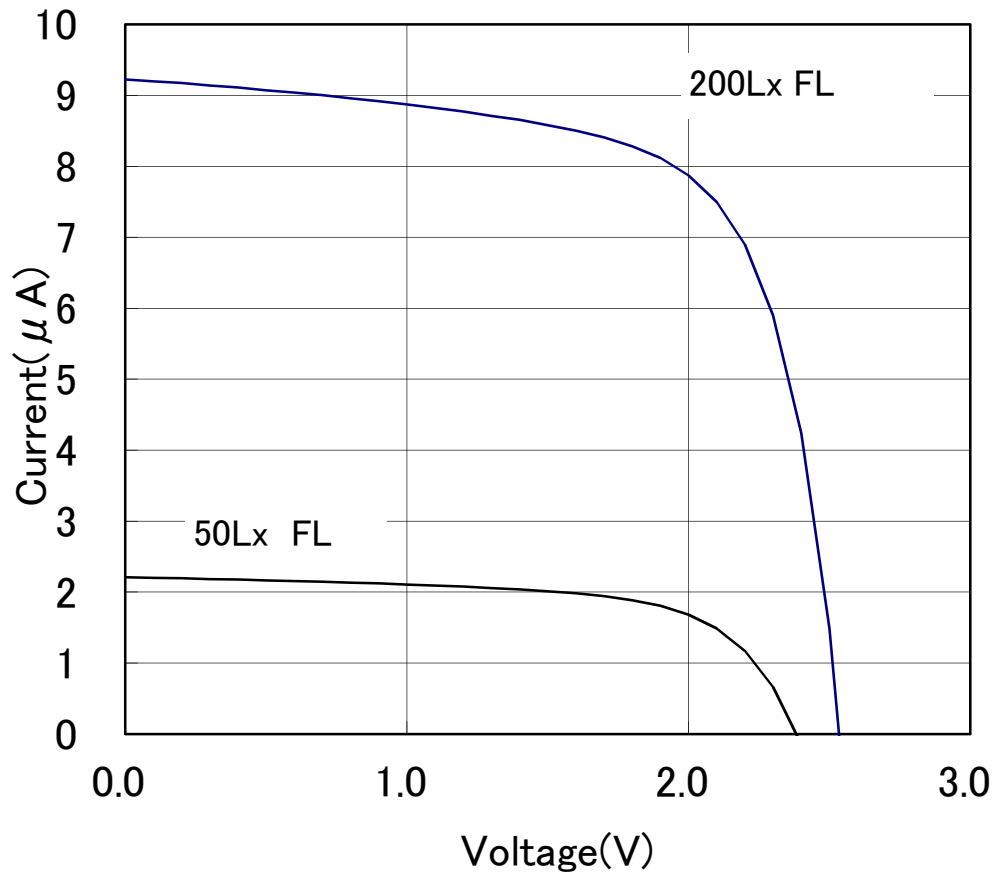
I – V Characteristics

REFERENCE

1.Model : AM-1437

2.Outside Dimension : 29.6mm × 11.8mm

FL:White Fluorescent Light



*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.

2019/4/25

出力の照度依存特性

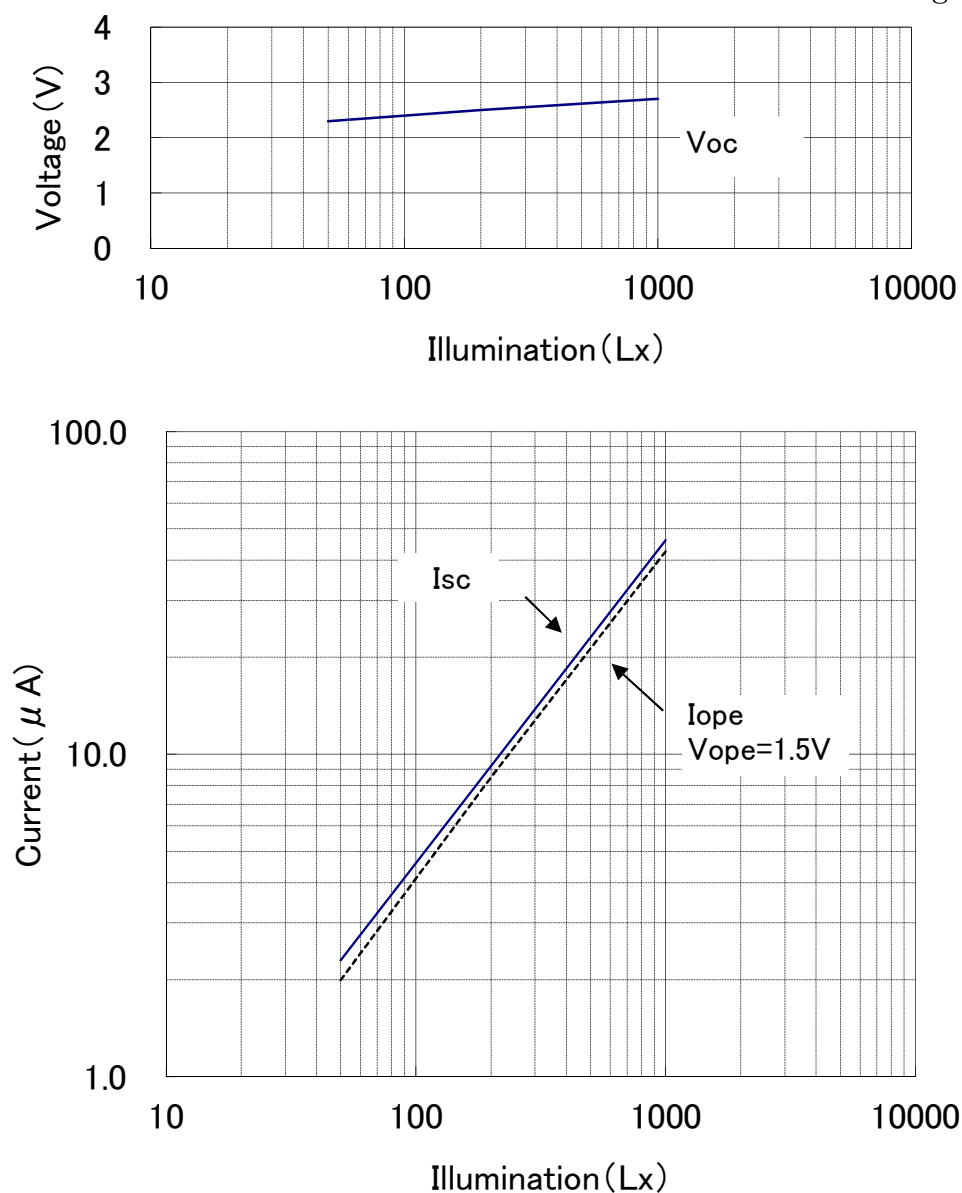
REFERENCE

Dependence of Output on Illumination

1.Model : AM-1437

2.Outside Dimension : 29.6mm × 11.8mm

FL:White Fluorescent Light



*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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出力の温度依存特性

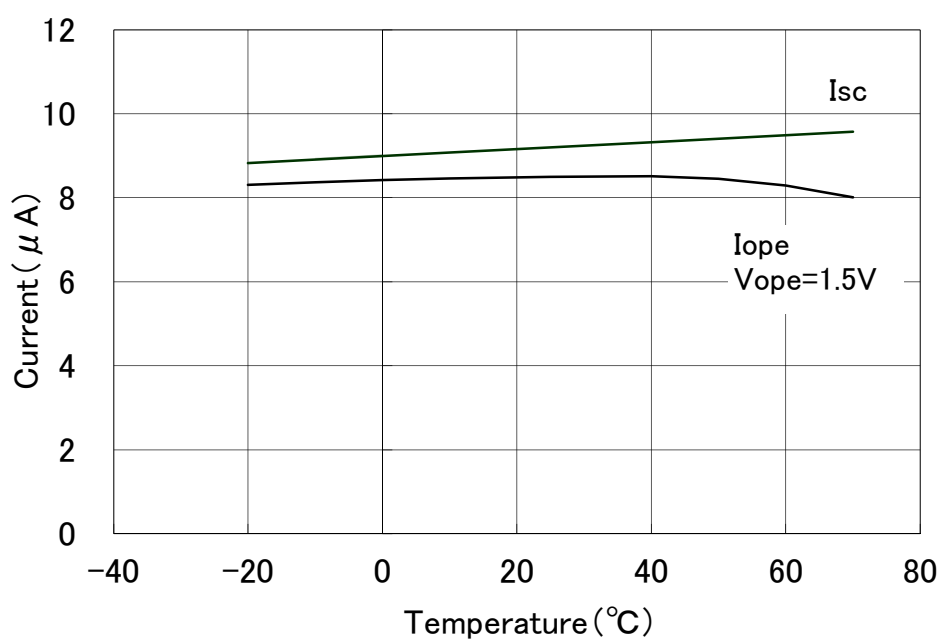
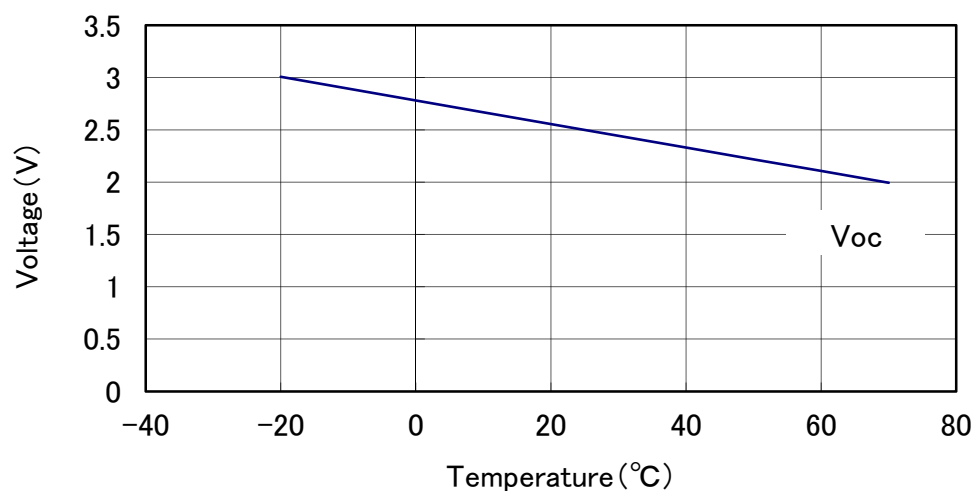
REFERENCE

Dependence of Output on Temperature

1.Model : AM-1437

2.Outside Dimension : 29.6mm × 11.8mm

at 200Lx White Fluorescent Light



*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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