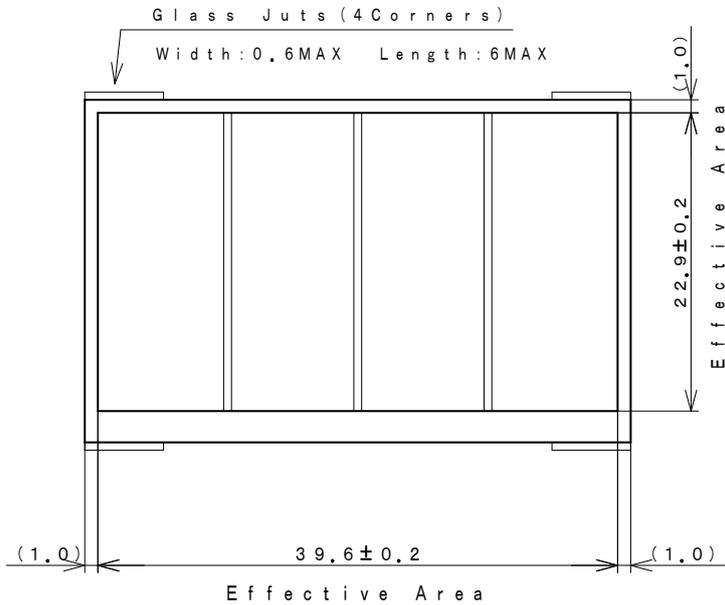


アモルファスシリコン太陽電池 仕様

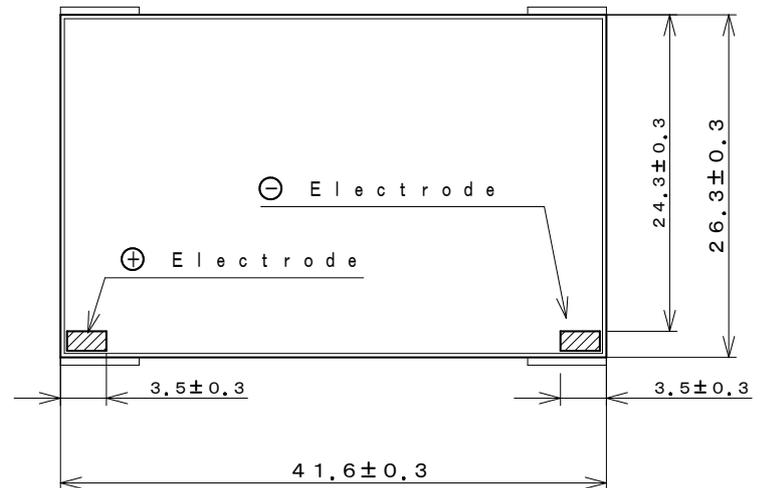
Model : AM-1454C

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) : 1.1mm ± 0.1

Module Thickness (モジュール厚) : 1.3mm MAX

Accepts normal soldering for bending

(一般の半田を使用してリード線付けが可能です。)

2. Rated Specifications (at 25°C)

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 35.2 μA at 200Lx FL
2.3 Operating Voltage & Operating Current: Vope-Iope 動作特性	Typical 1.4V - 7.8 μA at 50Lx FL
	Minimum 1.5V - 21.0 μA at 200Lx FL
	Typical 1.5V - 33.3 μA at 200Lx FL
2.5 Working temperature range: Topr 動作温度範囲	-10 to 60°C
2.6 Storage temperature range: Tstg 保存温度範囲	-20 to 70°C
2.7 Working illuminance range 使用照度範囲	~1000Lx

FL: White Fluorescent Light

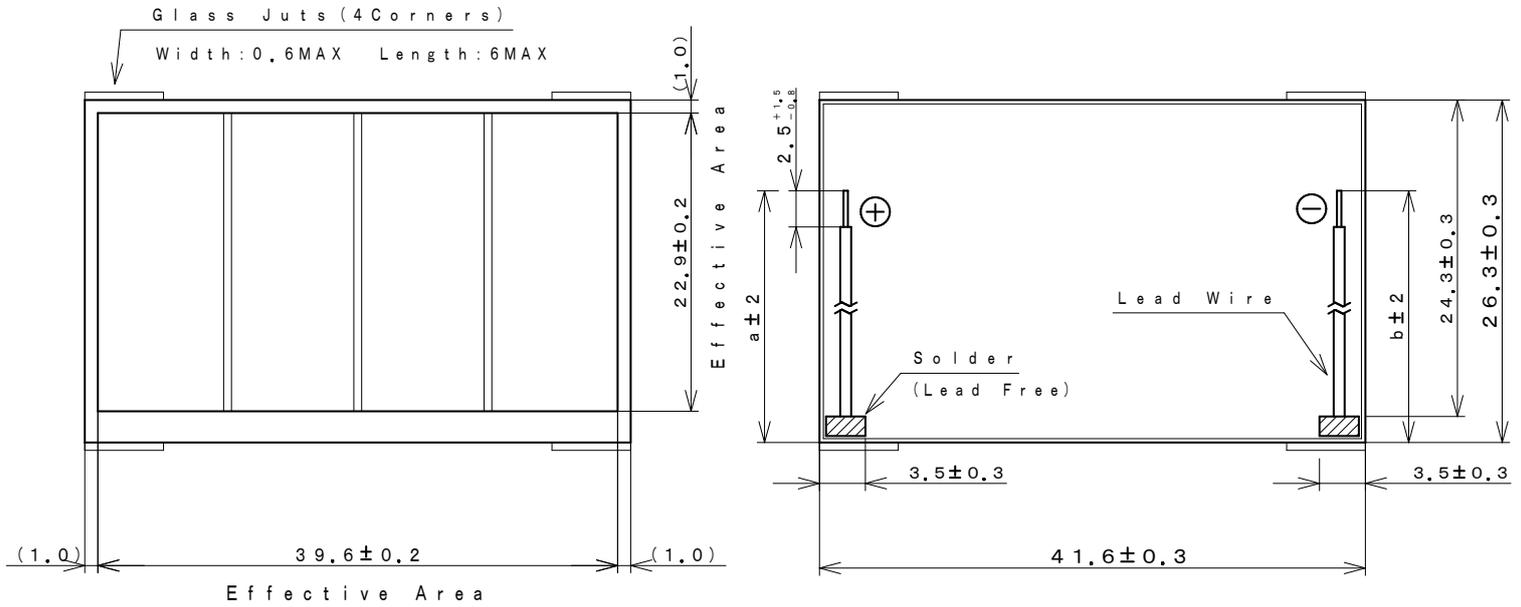
アモルファスシリコン太陽電池 仕様

Model : AM-1454CA

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°C)

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 $35.2 \mu\text{A}$ at 200Lx FL
2.3 Operating Voltage & Operating Current : Vope - Iope 動作特性	Typical $1.4\text{V} - 7.8 \mu\text{A}$ at 50Lx FL
	Minimum $1.5\text{V} - 21.0 \mu\text{A}$ at 200Lx FL
	Typical $1.5\text{V} - 33.3 \mu\text{A}$ at 200Lx FL
2.5 Working temperature range : Topr 動作温度範囲	-10 to 60°C
2.6 Storage temperature range : Tstg 保存温度範囲	-20 to 70°C
2.7 Working illuminance range 使用照度範囲	~1000Lx

FL: White Fluorescent Light

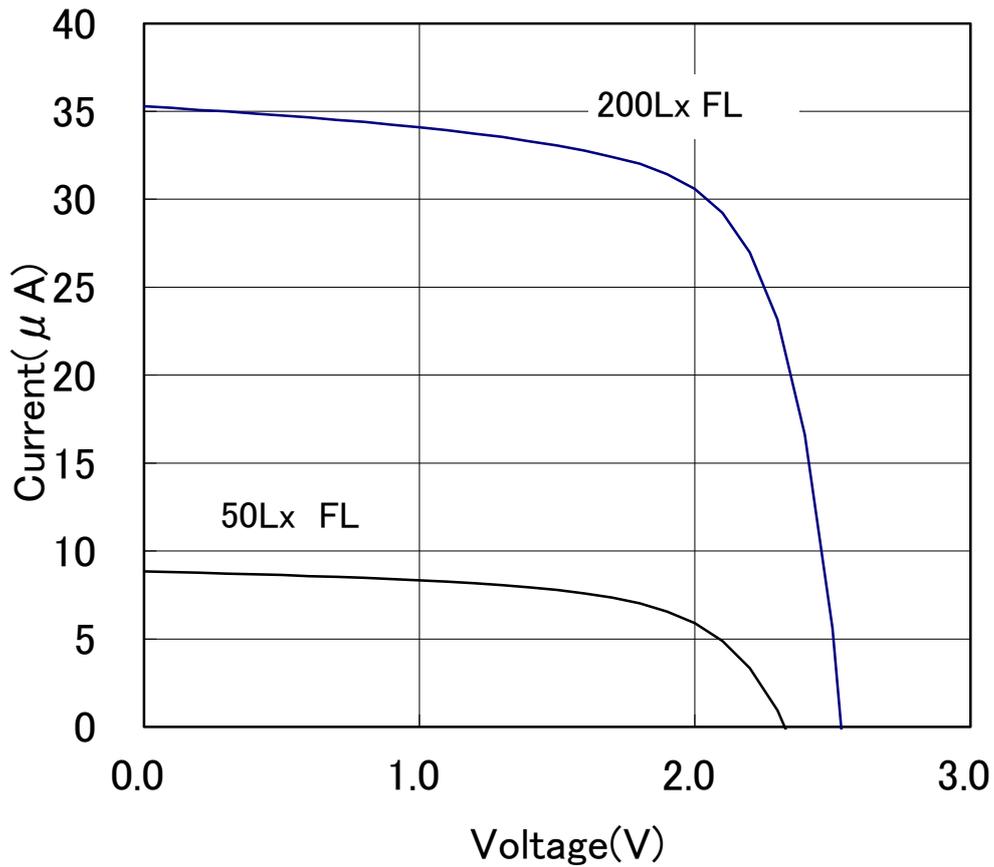
I - V Characteristics

REFERENCE

1.Model : AM-1454

2.Outside Dimension : 41.6mm × 26.3mm

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.

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出力の照度依存特性

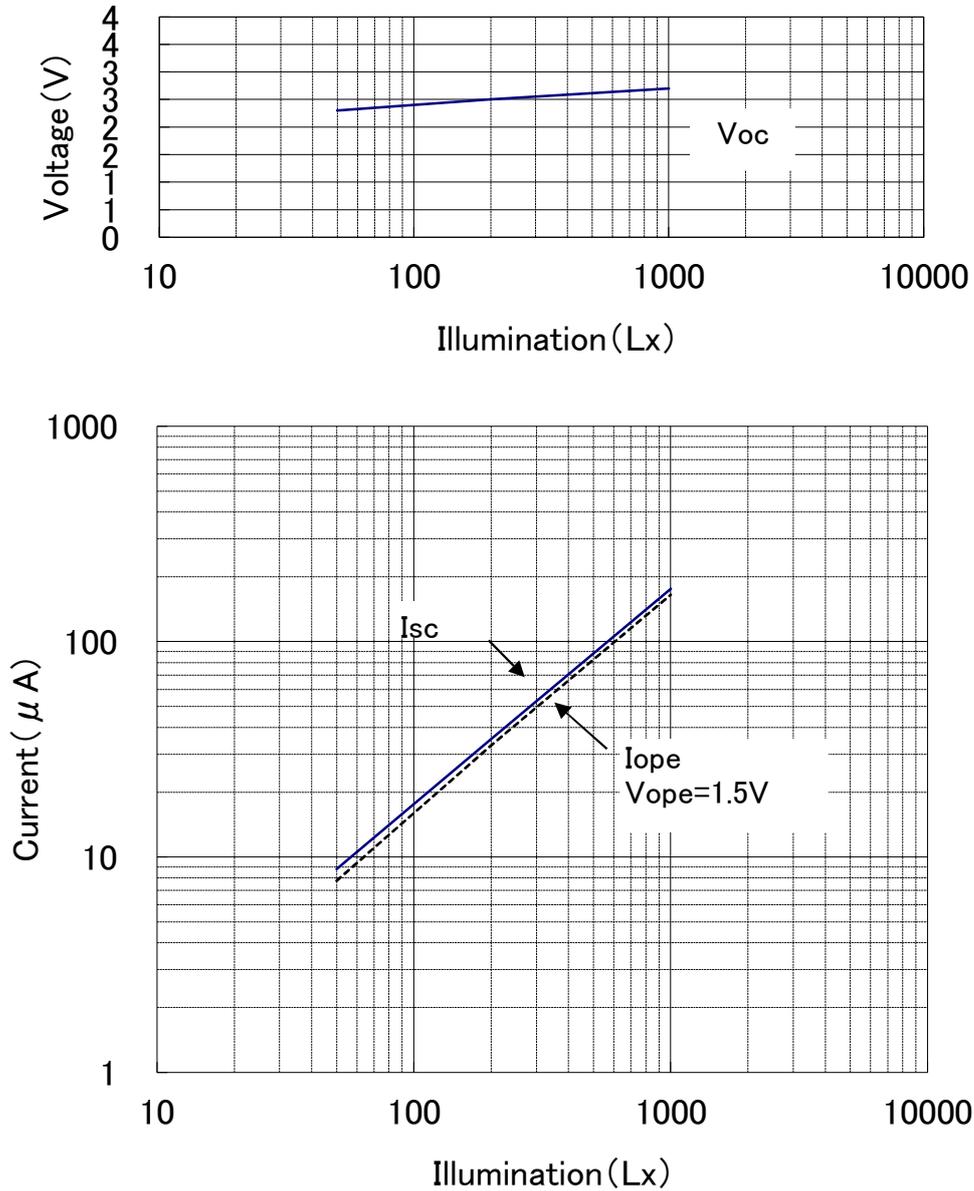
REFERENCE

Dependence of Output on Illumination

1.Model : AM-1454

2.Outside Dimension : 41.6mm × 26.3mm

FL:White Fluorescent Light



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出力の温度依存特性

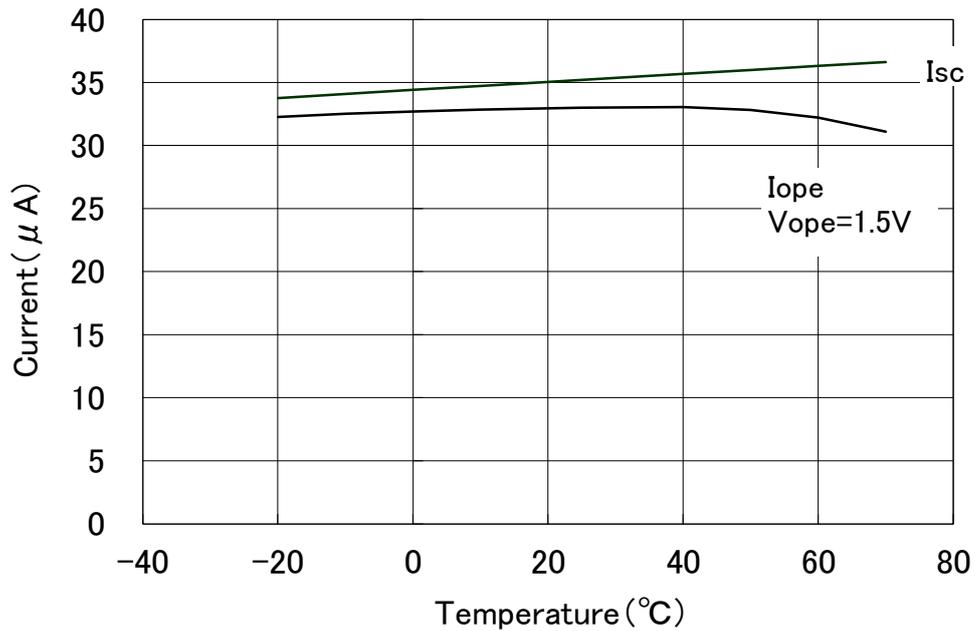
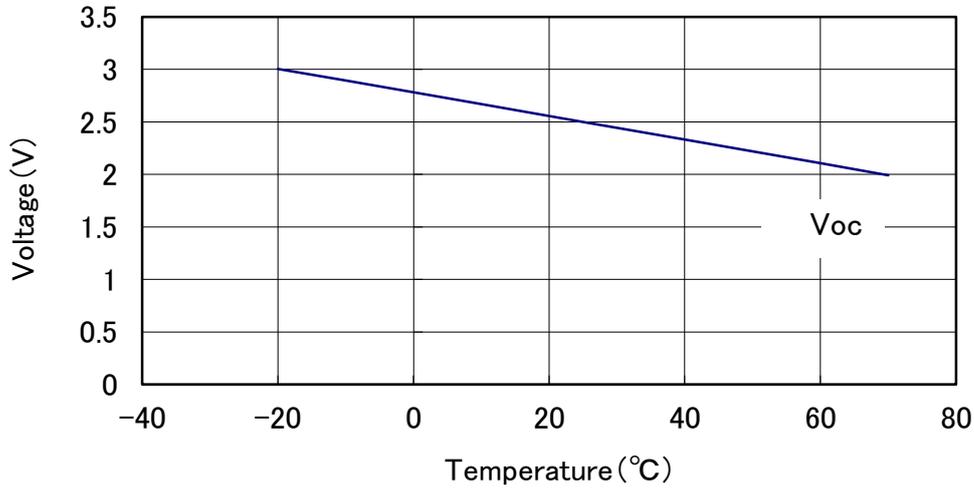
REFERENCE

Dependence of Output on Temperature

1.Model : AM-1454

2.Outside Dimension : 41.6mm × 26.3mm

at 200Lx White Fluorescent Light



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