

# 出力の照度依存特性

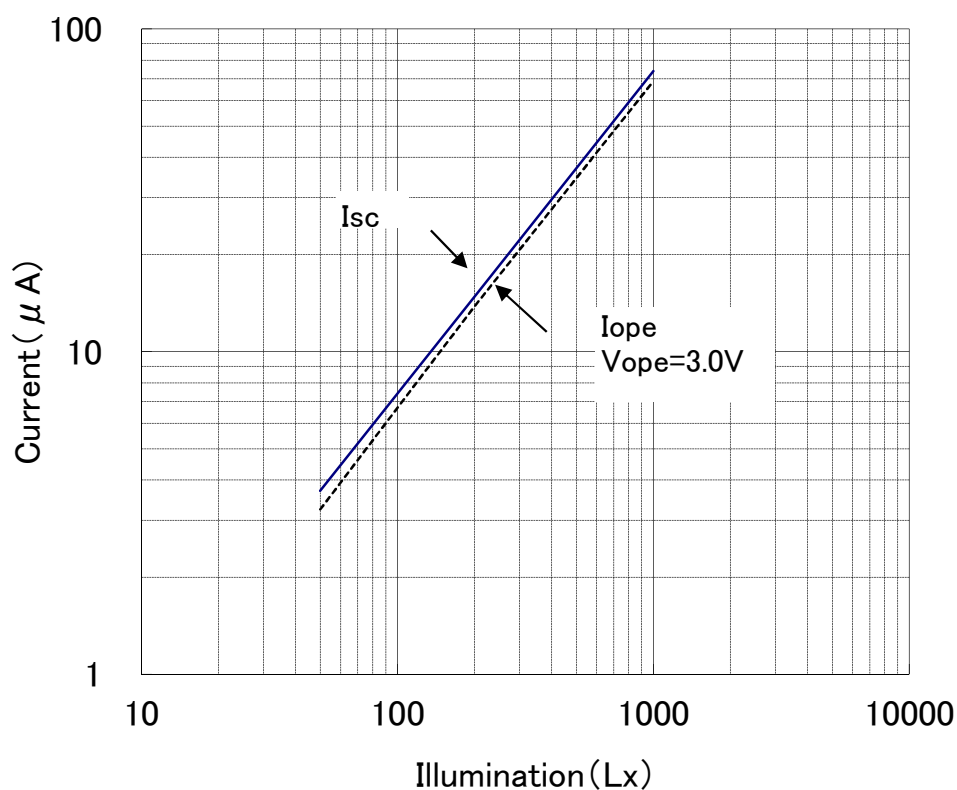
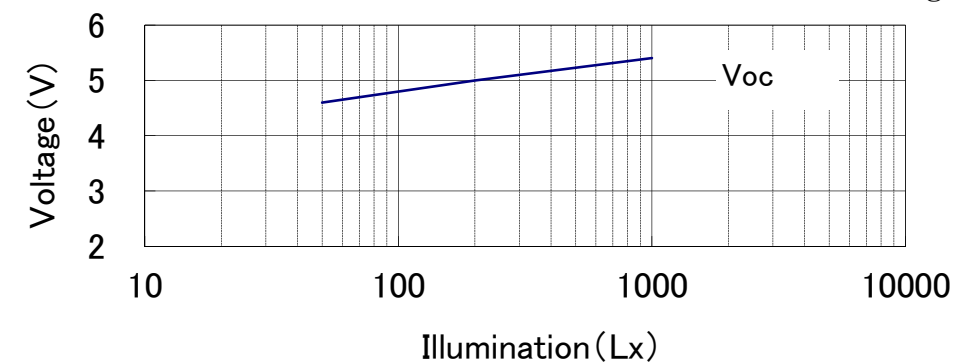
REFERENCE

Dependence of Output on Illumination

1.Model : AM-1820

2.Outside Dimension : 43.0mm × 26.0mm

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.

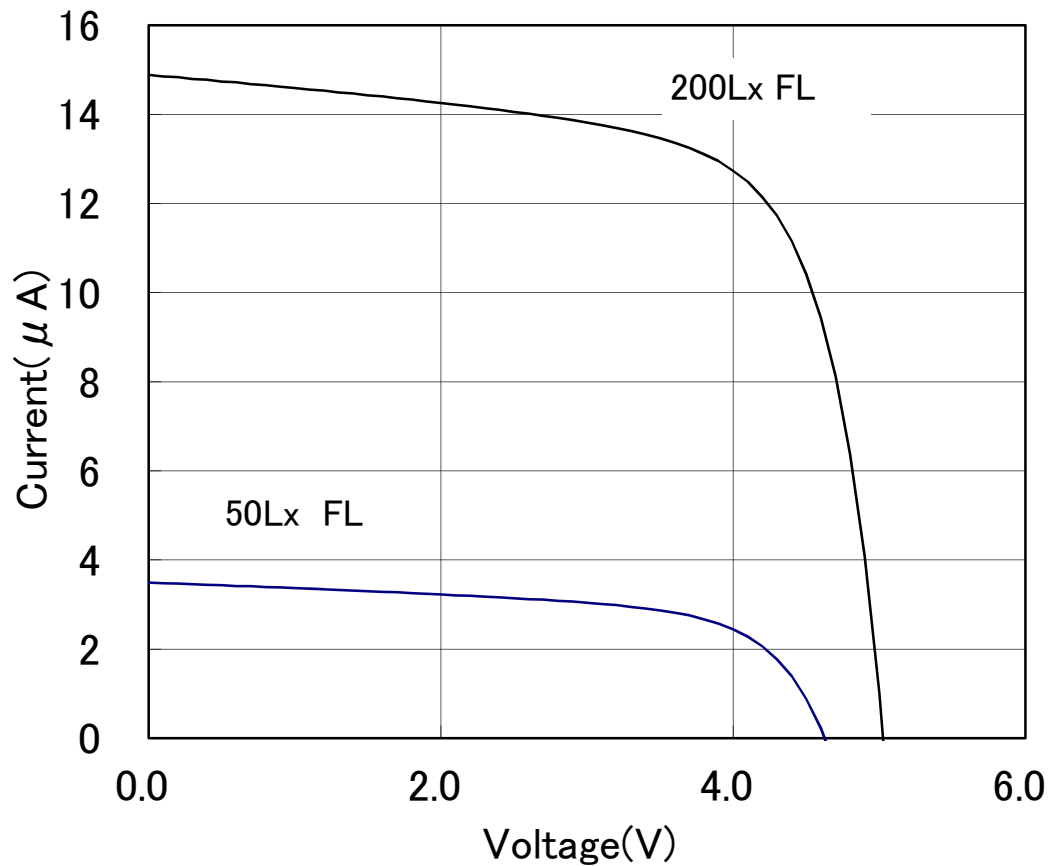
## I – V Characteristics

REFERENCE

1.Model : AM-1820

2.Outside Dimension : 43.0mm × 26.0mm

FL:White Fluorescent Light



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# 出力の温度依存特性

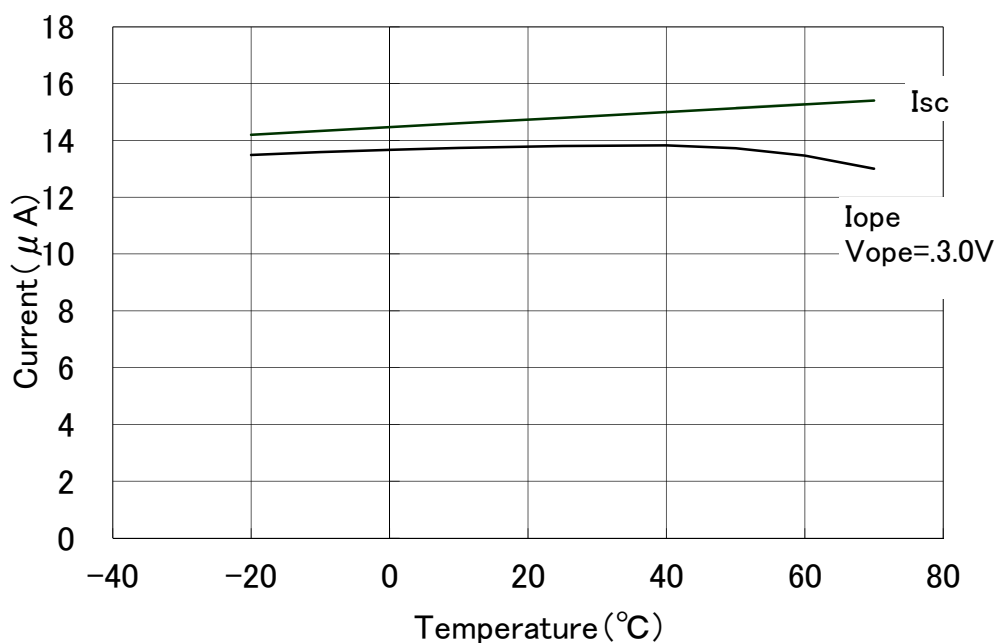
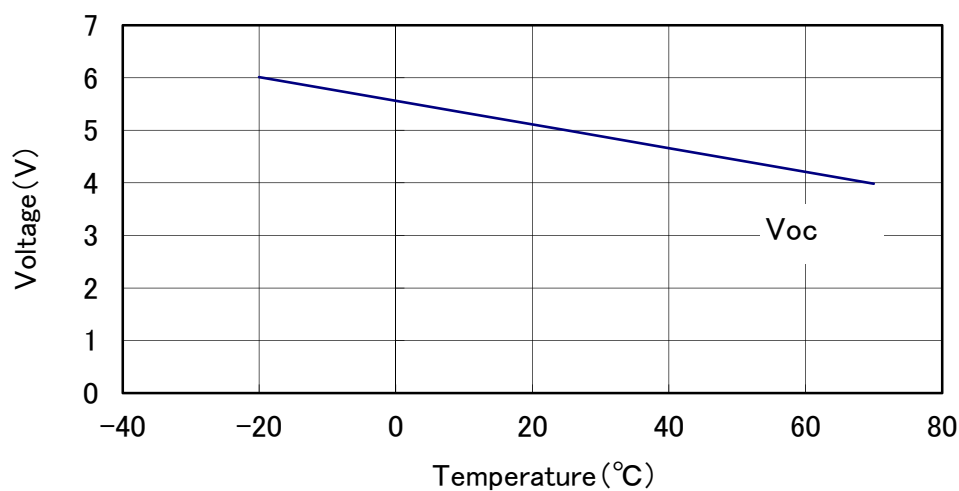
REFERENCE

Dependence of Output on Temperature

1.Model : AM-1820

2.Outside Dimension : 43.0mm × 26.0mm

at 200Lx White Fluorescent Light



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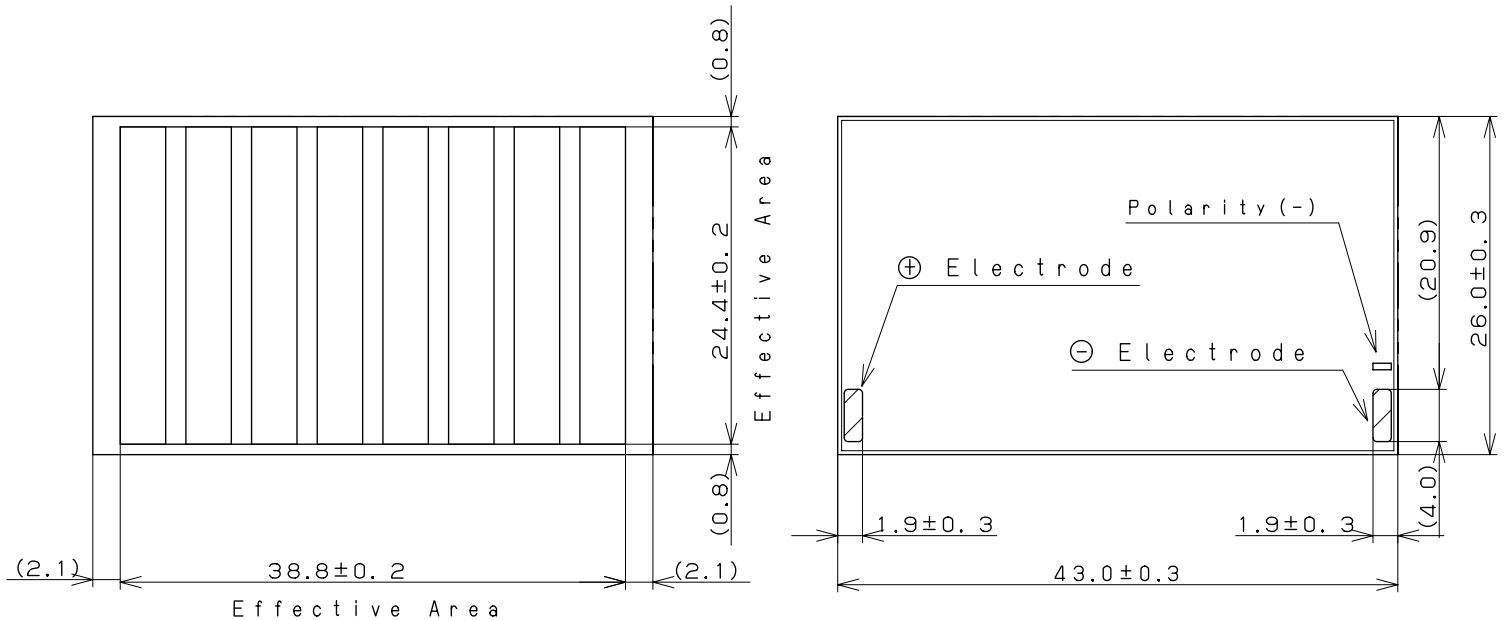
\*The data are meant to show standard electric characteristics only , not intended to guarantee the characteristics.

Model : AM-1820C

## 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) :  $1.3 \text{ mm MAX}$ 

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℃)

| Item                                                                      | Specifications (Initial) |                                  |             |
|---------------------------------------------------------------------------|--------------------------|----------------------------------|-------------|
| 2.1 Open circuit voltage: $V_{oc}$<br>開放電圧                                | Typical                  | 5.0V                             | at 200Lx FL |
| 2.2 Short circuit Current: $I_{sc}$<br>短絡電流                               | Typical                  | $14.8 \mu\text{A}$               | at 200Lx FL |
| 2.3 Operating Voltage &<br>Operating Current: $V_{ope} - I_{ope}$<br>動作特性 | Typical                  | $2.6\text{V} - 3.3 \mu\text{A}$  | at 50Lx FL  |
|                                                                           | Minimum                  | $3.0\text{V} - 10.6 \mu\text{A}$ | at 200Lx FL |
|                                                                           | Typical                  | $3.0\text{V} - 13.8 \mu\text{A}$ | at 200Lx FL |
| 2.5 Working temperature range: $T_{opr}$<br>動作温度範囲                        | -10 to 60℃               |                                  |             |
| 2.6 Storage temperature range: $T_{stg}$<br>保存温度範囲                        | -20 to 70℃               |                                  |             |

FL: White Fluorescent Light

# Amorphous Silicon Solar Cells Specification

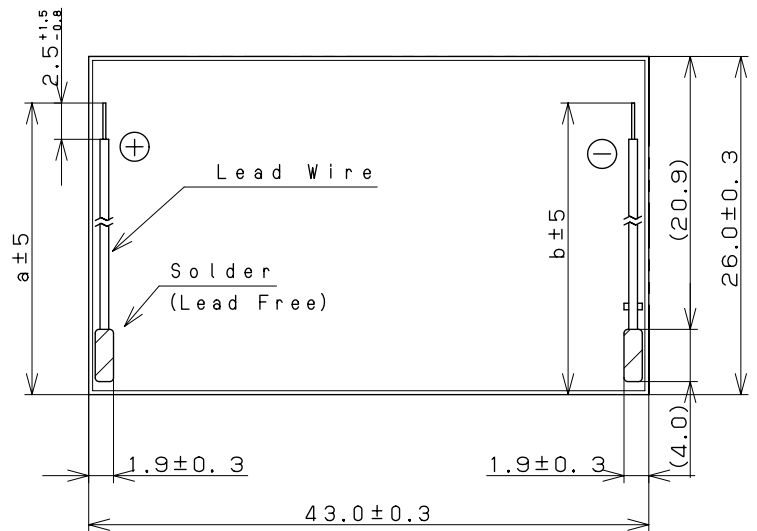
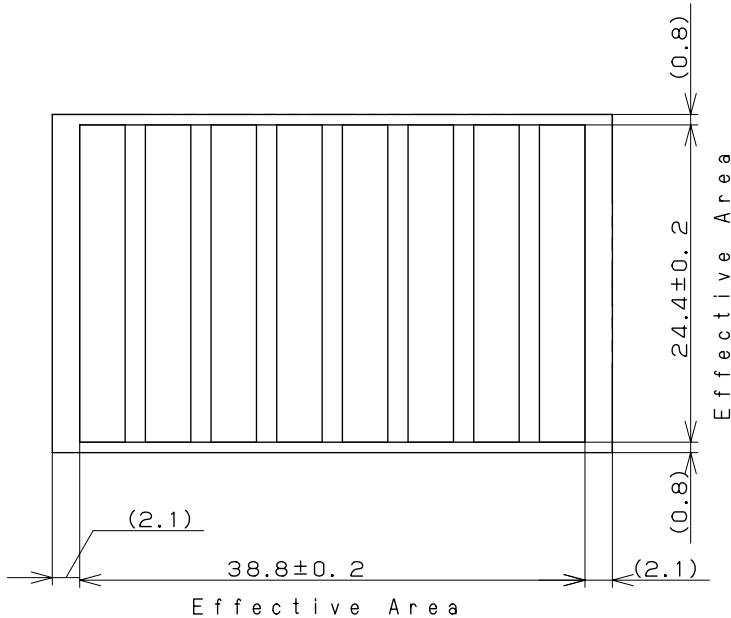
## アモルファスシリコン太陽電池 仕様

Model : AM-1820CA

### 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 : AWG30 |      |
| a:51               | b:51 |

#### Note

Glass Substrate Thickness (ガラス基板厚) : 1.1mm±0.1

Module Thickness (モジュール厚) : 1.3mmMAX

Wire-Solder thickness: 2.5mmMAX (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: Voc<br>開放電圧                           | Typical 5.0V at 200Lx FL          |
| 2.2 Short circuit Current: Isc<br>短絡電流                          | Typical 14.8μA at 200Lx FL        |
| 2.3 Operating Voltage &<br>Operating Current: Vope-lope<br>動作特性 | Typical 2.6V - 3.3μA at 50Lx FL   |
|                                                                 | Minimum 3.0V - 10.6μA at 200Lx FL |
|                                                                 | Typical 3.0V - 13.8mA at 200Lx FL |
| 2.5 Working temperature range: Topr<br>動作温度範囲                   | -10 to 60℃                        |
| 2.6 Storage temperature range: Tstg<br>保存温度範囲                   | -20 to 70℃                        |

FL: White Fluorescent Light