

# 出力の照度依存特性

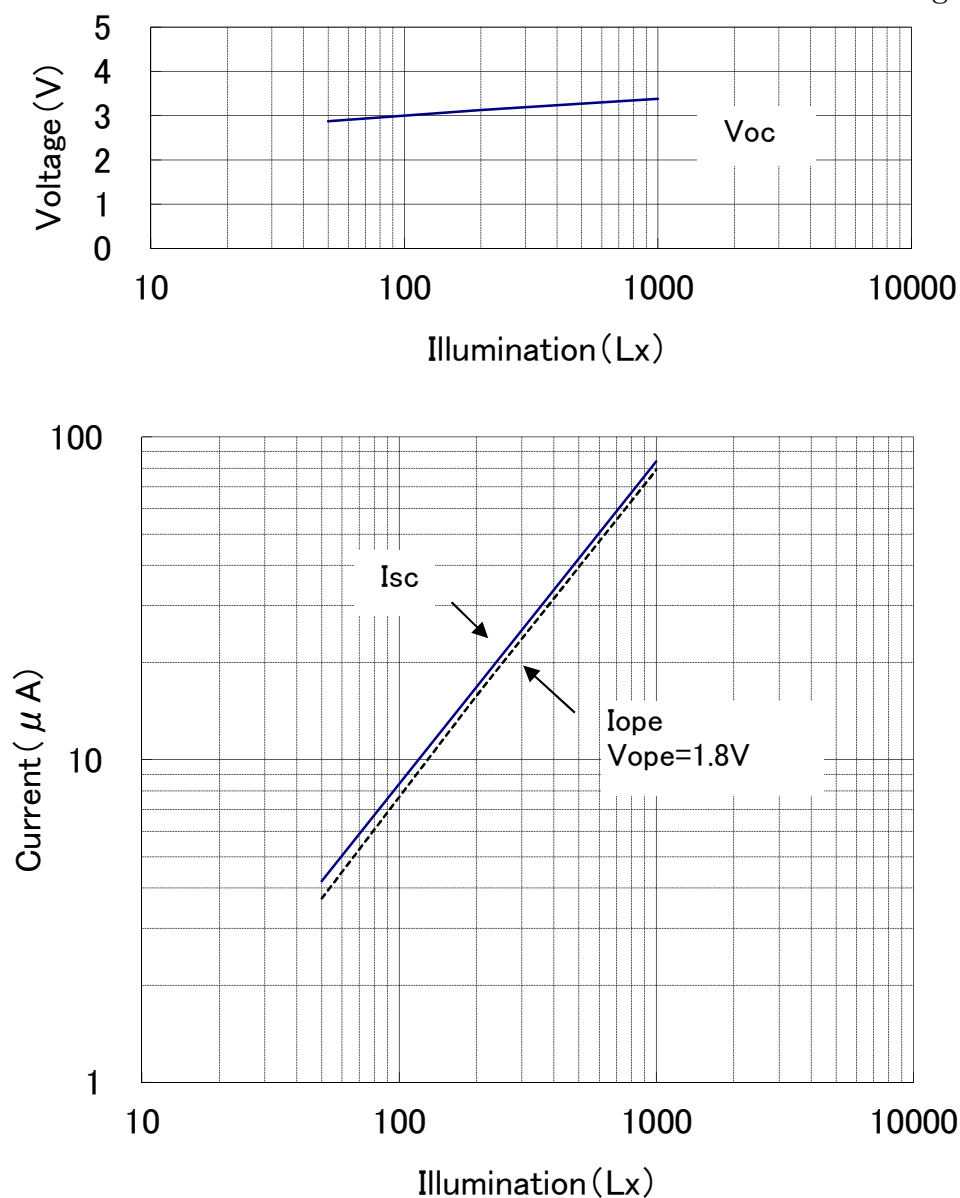
REFERENCE

Dependence of Output on Illumination

1.Model : AM-1513

2.Outside Dimension : 55.0mm × 13.5mm

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.

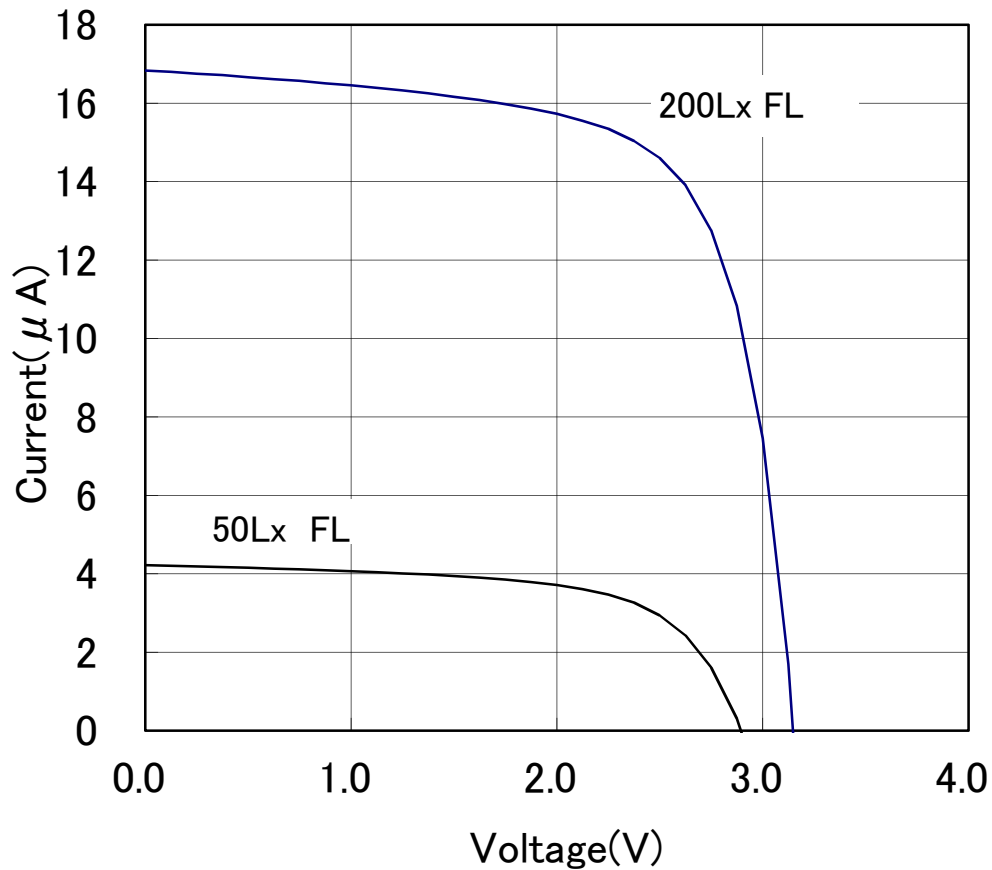
# I – V Characteristics

REFERENCE

1.Model : AM-1513

2.Outside Dimension : 55.0mm × 13.5mm

FL:White Fluorescent Light



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# 出力の温度依存特性

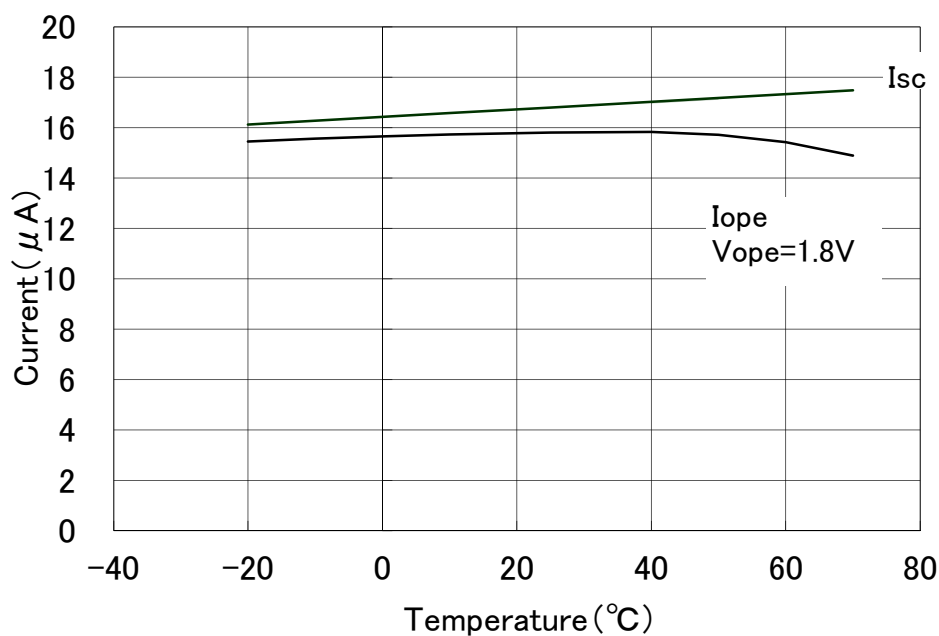
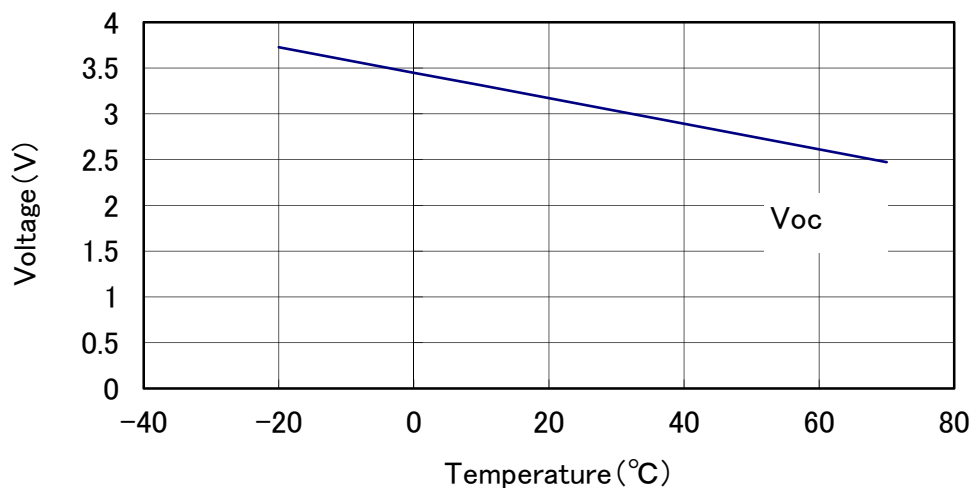
REFERENCE

## Dependence of Output on Temperature

1.Model : AM-1513

2.Outside Dimension : 55.0mm × 13.5mm

at 200Lx White Fluorescent Light



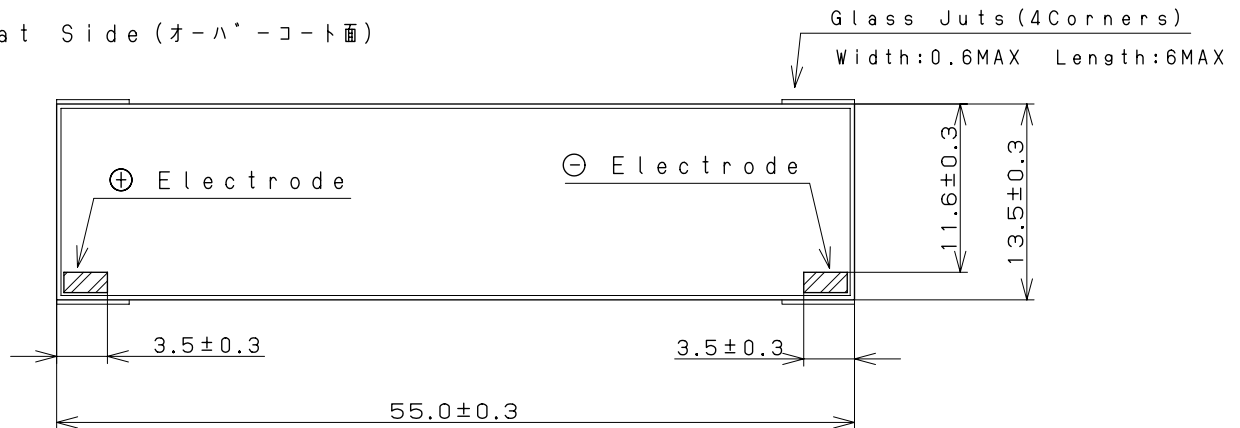
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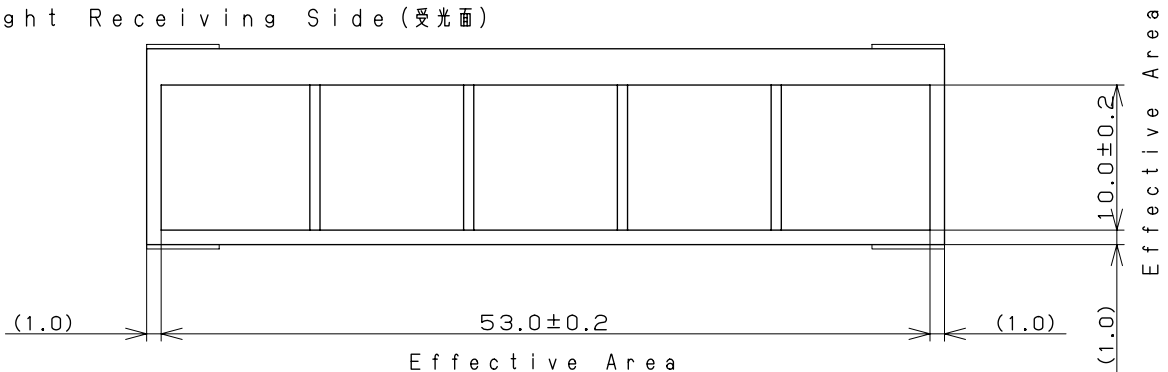
Model : AM-1513C

## 1. Outside dimensions 外形寸法

Overcoat Side (オーバーコート面)



Light Receiving Side (受光面)



(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 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: Voc<br>開放電圧                           | Typical                  | 3.1 V                | at 200 Lx FL |
| 2.2 Short circuit Current: Isc<br>短絡電流                          | Typical                  | 16.8 $\mu$ A         | at 200 Lx FL |
| 2.3 Operating Voltage &<br>Operating Current: Vope-Iope<br>動作特性 | Typical                  | 1.6 V - 3.75 $\mu$ A | at 50 Lx FL  |
|                                                                 | Minimum                  | 1.8 V - 10.5 $\mu$ A | at 200 Lx FL |
|                                                                 | Typical                  | 1.8 V - 15.9 $\mu$ A | at 200 Lx 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℃               |                      |              |
| 2.7 Working illuminance range<br>使用照度範囲                         | ~1000 Lx                 |                      |              |

FL: White Fluorescent Light

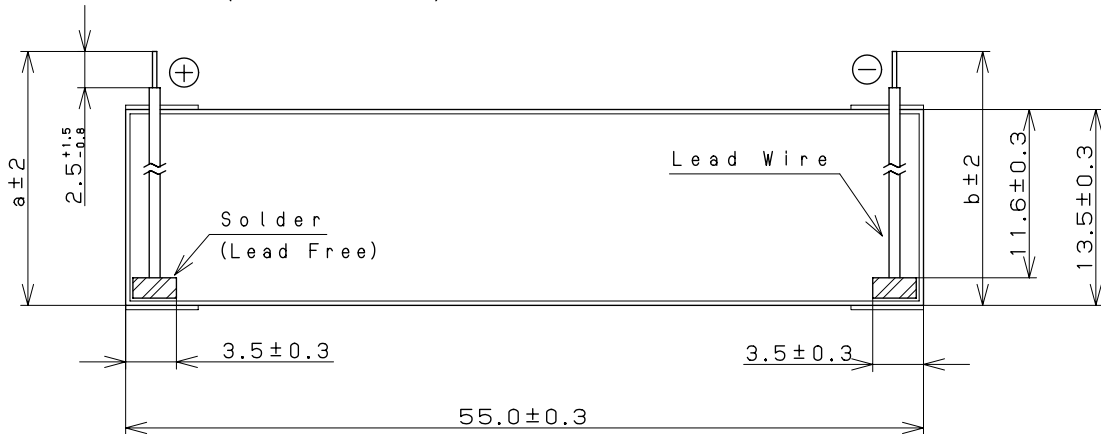
# Amorphous Silicon Solar Cells Specification

## アモルファスシリコン太陽電池 仕様

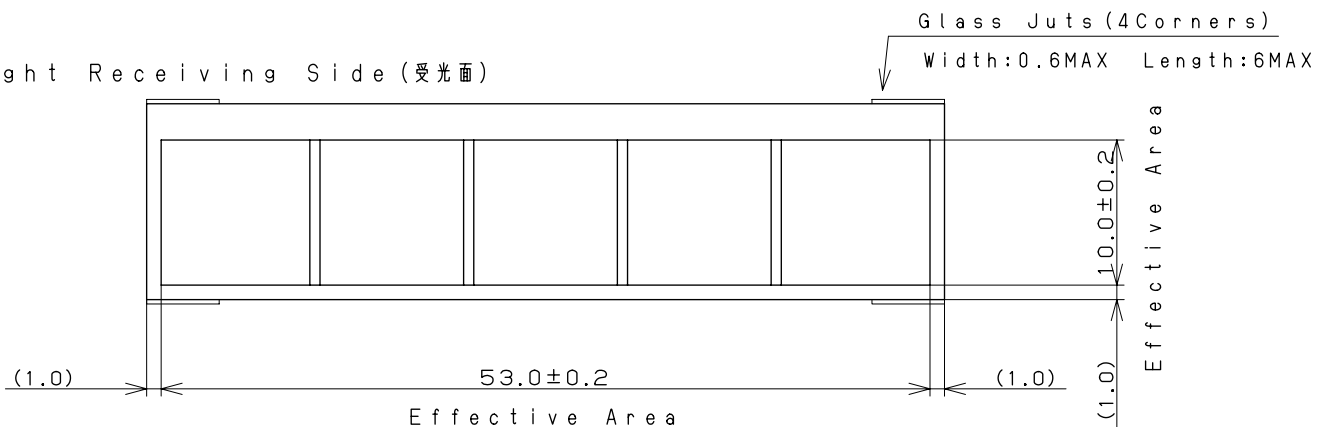
Model : AM-1513CA

### 1. Outside dimensions 外形寸法

Overcoat Side (オーハートコート面)



Light Receiving Side (受光面)



(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                  | 3.1V          | at 200Lx FL |
| 2.2 Short circuit Current: Isc<br>短絡電流                                                    | Typical                  | 16.8μA        | at 200Lx FL |
| 2.3 Operating Voltage &<br>Operating Current: Vo <sub>ope</sub> -I <sub>ope</sub><br>動作特性 | Typical                  | 1.6V - 3.75μA | at 50Lx FL  |
|                                                                                           | Minimum                  | 1.8V - 10.5μA | at 200Lx FL |
|                                                                                           | Typical                  | 1.8V - 15.9μA | at 200Lx FL |
| 2.5 Working temperature range: T <sub>opr</sub><br>動作温度範囲                                 | -10 to 60℃               |               |             |
| 2.6 Storage temperature range: T <sub>stg</sub><br>保存温度範囲                                 | -20 to 70℃               |               |             |
| 2.7 Working illuminance range<br>使用照度範囲                                                   | ~1000Lx                  |               |             |

FL: White Fluorescent Light