

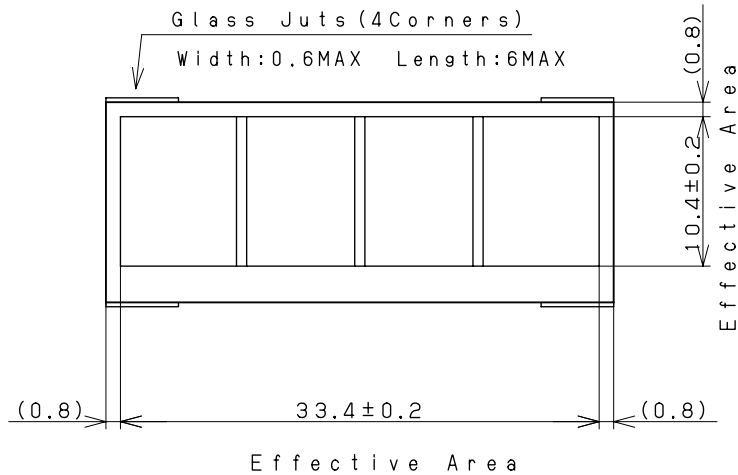
# Amorphous Silicon Solar Cells Specification

## アモルファスシリコン太陽電池 仕様

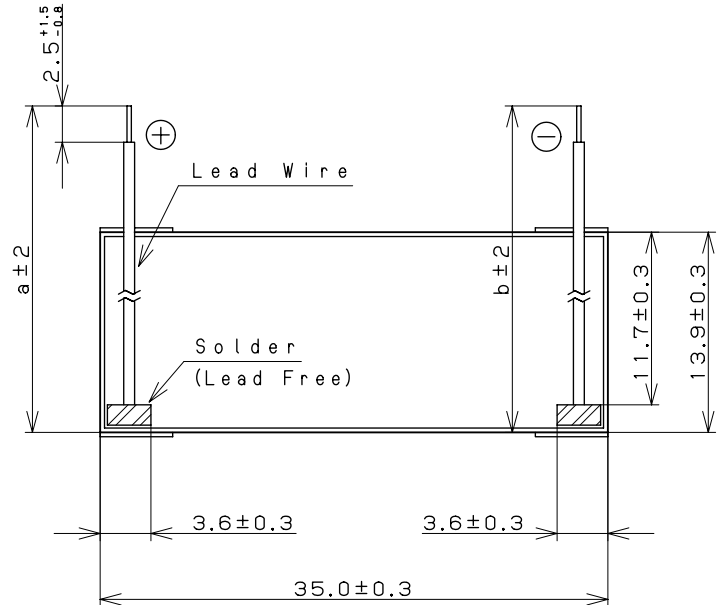
Model : AM-1417CA

### 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) : 1.3mm MAX

Wire-Overcoat thickness : 2.5mm 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: Voc<br>開放電圧                           | Typical                  | 2.4V           | at 200Lx FL |
| 2.2 Short circuit Current: Isc<br>短絡電流                          | Typical                  | 13.5 μA        | at 200Lx FL |
| 2.3 Operating Voltage &<br>Operating Current: Vope-lope<br>動作特性 | Typical                  | 1.4V - 3.1 μA  | at 50Lx FL  |
|   | Minimum                  | 1.5V - 9.0 μA  | at 200Lx FL |
|   | Typical                  | 1.5V - 12.5 μA | at 200Lx FL |
| 2.5 Working temperature range: Topr<br>動作温度範囲                   | -10 to 60°C              |                |             |
| 2.6 Storage temperature range: Tstg<br>保存温度範囲                   | -20 to 70°C              |                |             |
| 2.7 Working illuminance range<br>使用照度範囲                         | ~1000Lx                  |                |             |

FL: White Fluorescent Light

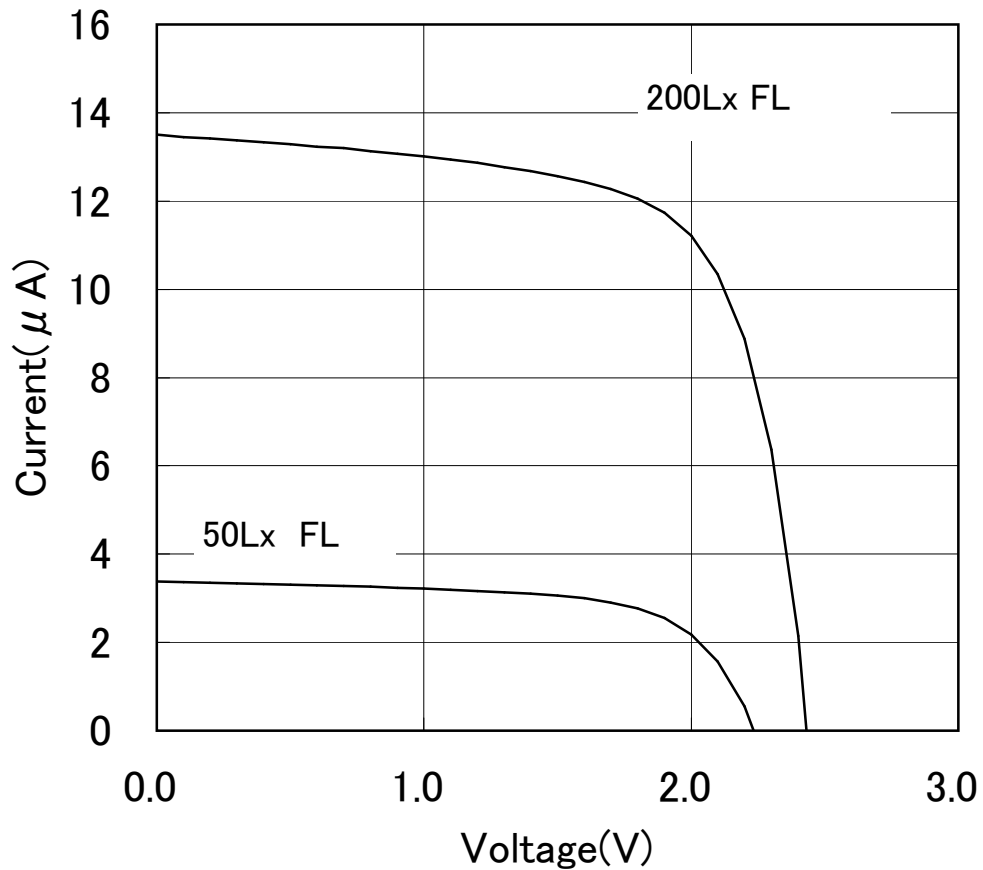
# I - V Characteristics

REFERENCE

1.Model : AM-1417

2.Outside Dimension : 35.0mm × 13.9mm

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.

# 出力の照度依存特性

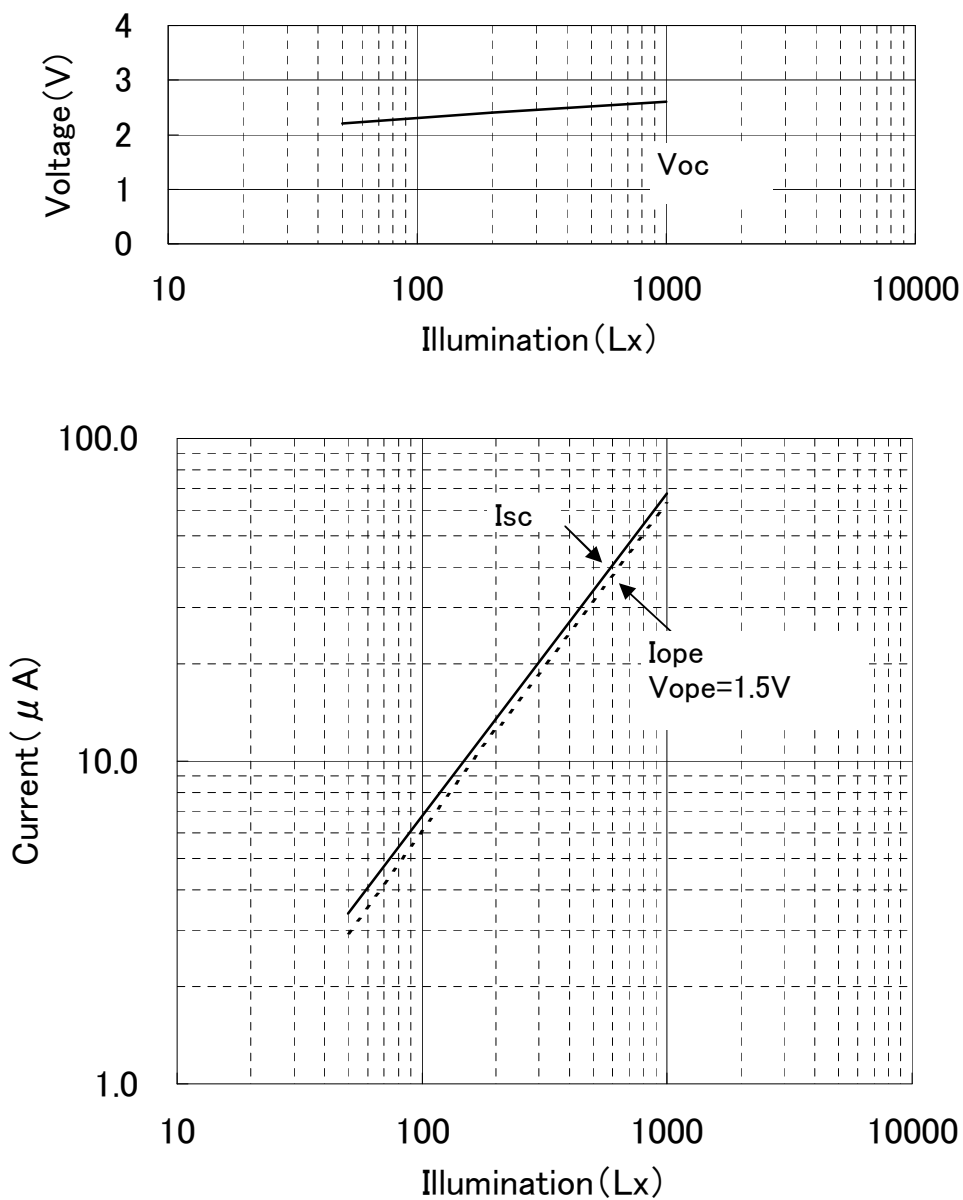
REFERENCE

Dependence of Output on Illumination

1.Model : AM-1417

2.Outside Dimension : 35.0mm × 13.9mm

FL:White Fluorescent Light



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# 出力の温度依存特性

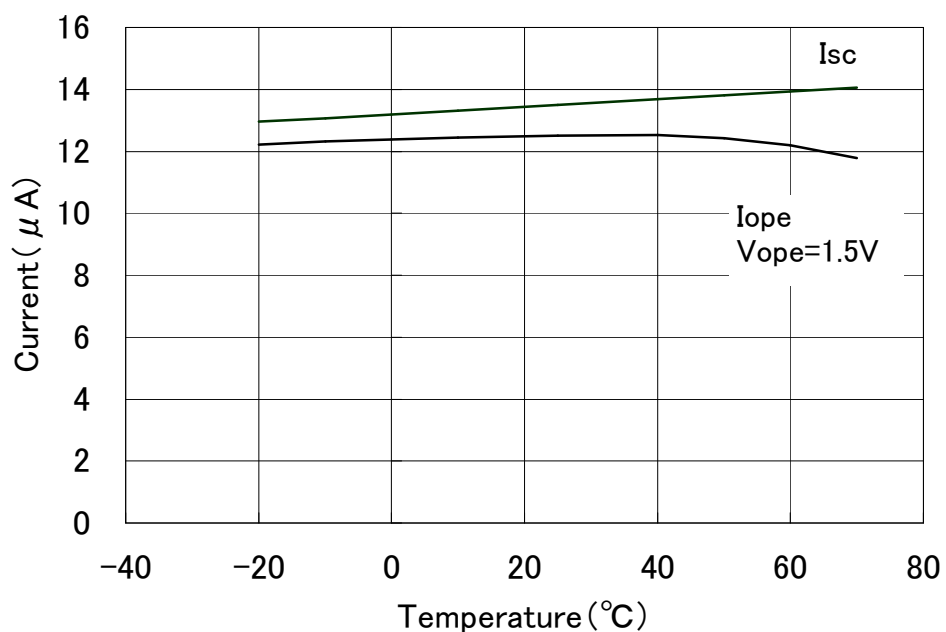
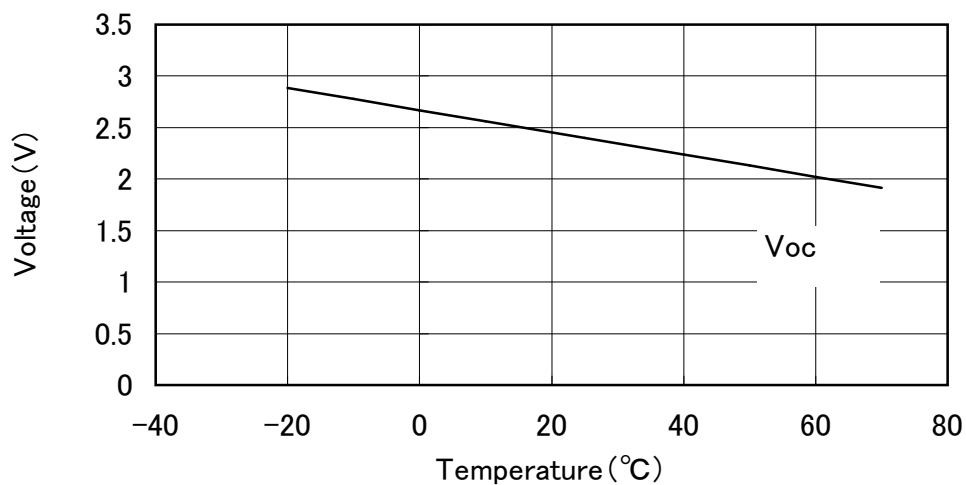
REFERENCE

Dependence of Output on Temperature

1.Model : AM-1417

2.Outside Dimension : 35.0mm × 13.9mm

at 200Lx White Fluorescent Light



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