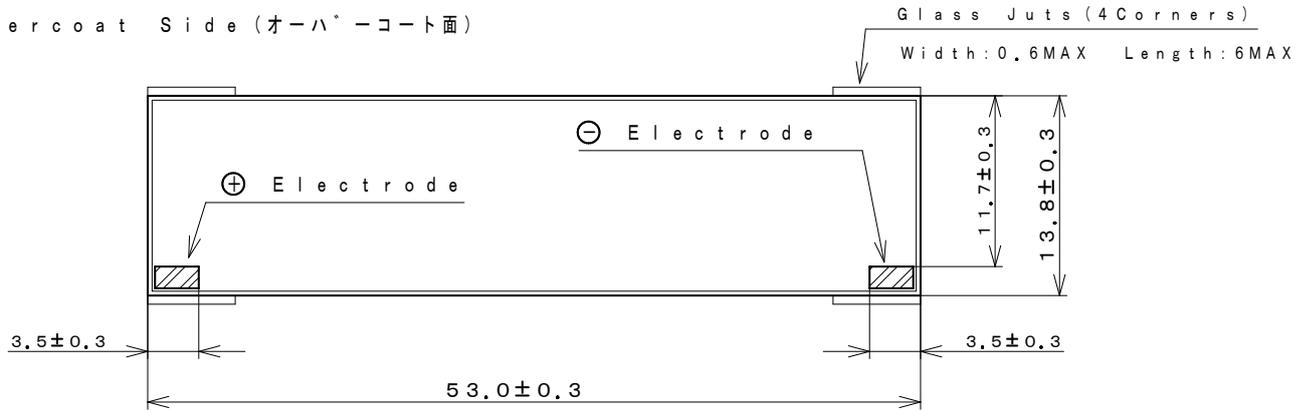


アモルファスシリコン太陽電池 仕様

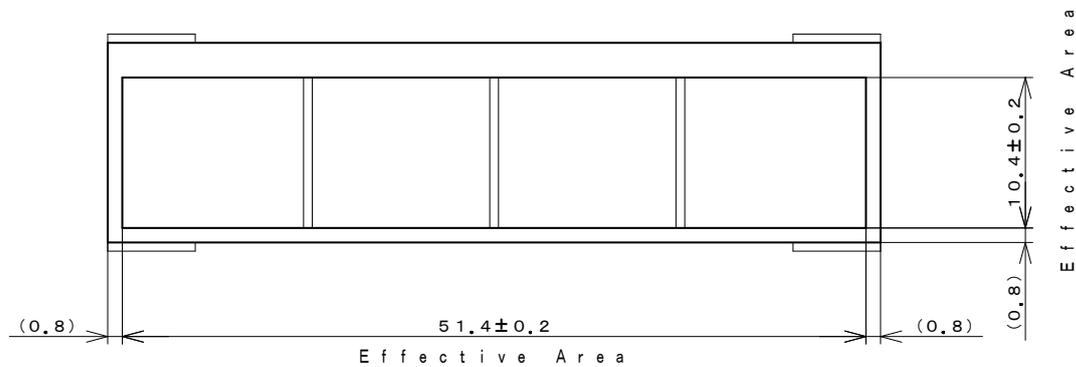
Model : AM-1424C

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) : 1.1mm ± 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フ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 22.0 μA at 200Lx FL |
| 2.3 Operating Voltage & Operating Current : Vope - Iope 動作特性 | Typical 1.4V - 5.0 μA at 50Lx FL |
| | Minimum 1.5V - 14.0 μA at 200Lx FL |
| | Typical 1.5V - 20.6 μA 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 |

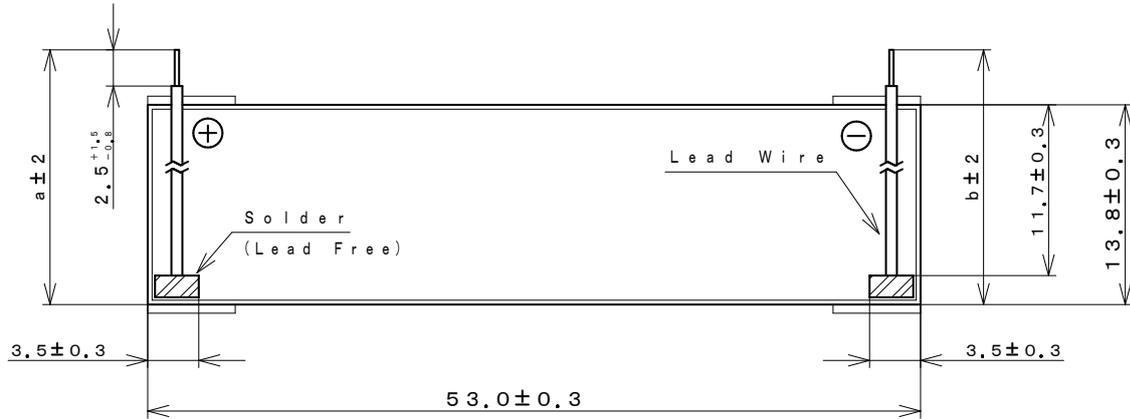
FL: White Fluorescent Light

アモルファスシリコン太陽電池 仕様

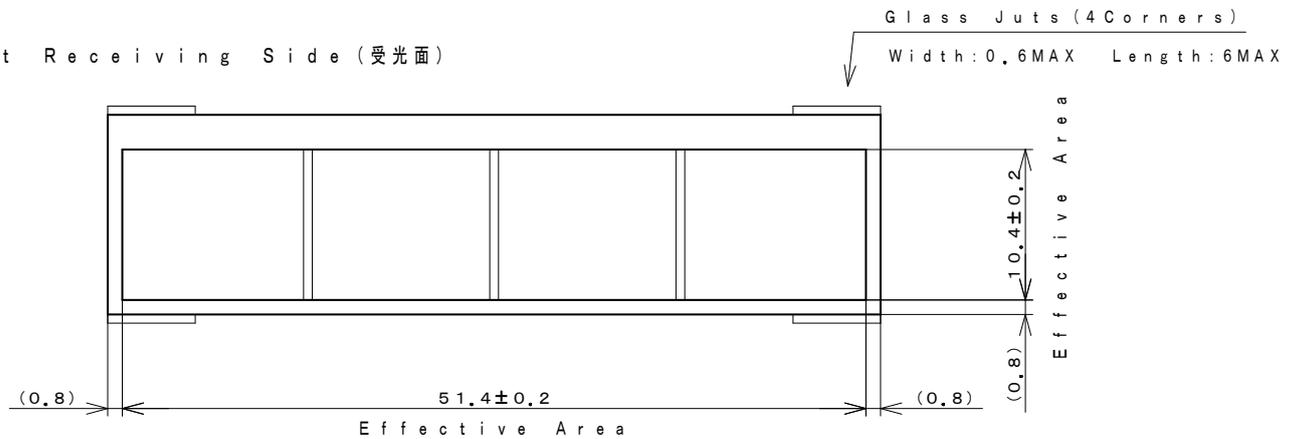
Model : AM-1424CA

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)

| | |
|--------------------|--------|
| Lead Wires : AWG28 | |
| 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-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 : Voc 開放電圧 | Typical 2.5V at 200Lx FL |
| 2.2 Short circuit Current : Isc 短絡電流 | Typical 22.0 μA at 200Lx FL |
| 2.3 Operating Voltage & Operating Current : Vope - Iope 動作特性 | Typical 1.4V - 5.0 μA at 50Lx FL |
| | Minimum 1.5V - 14.0 μA at 200Lx FL |
| | Typical 1.5V - 20.6 μA 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

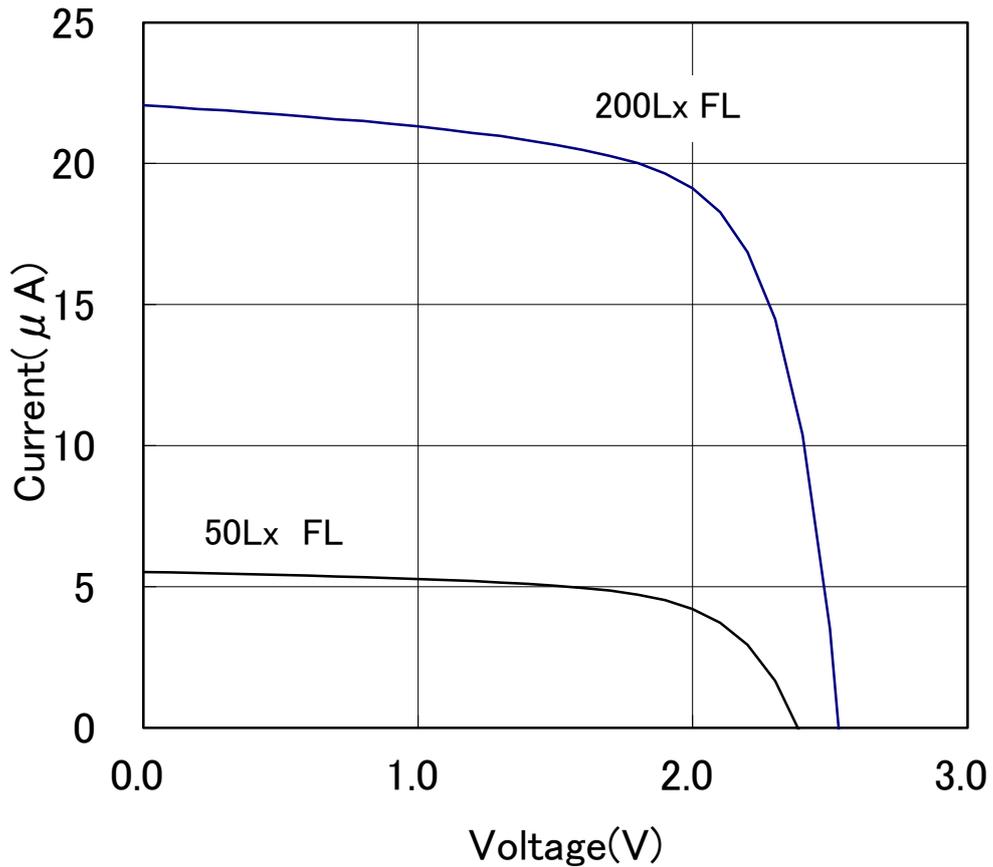
I - V Characteristics

REFERENCE

1.Model : AM-1424

2.Outside Dimension : 53.0mm × 13.8mm

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.

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出力の照度依存特性

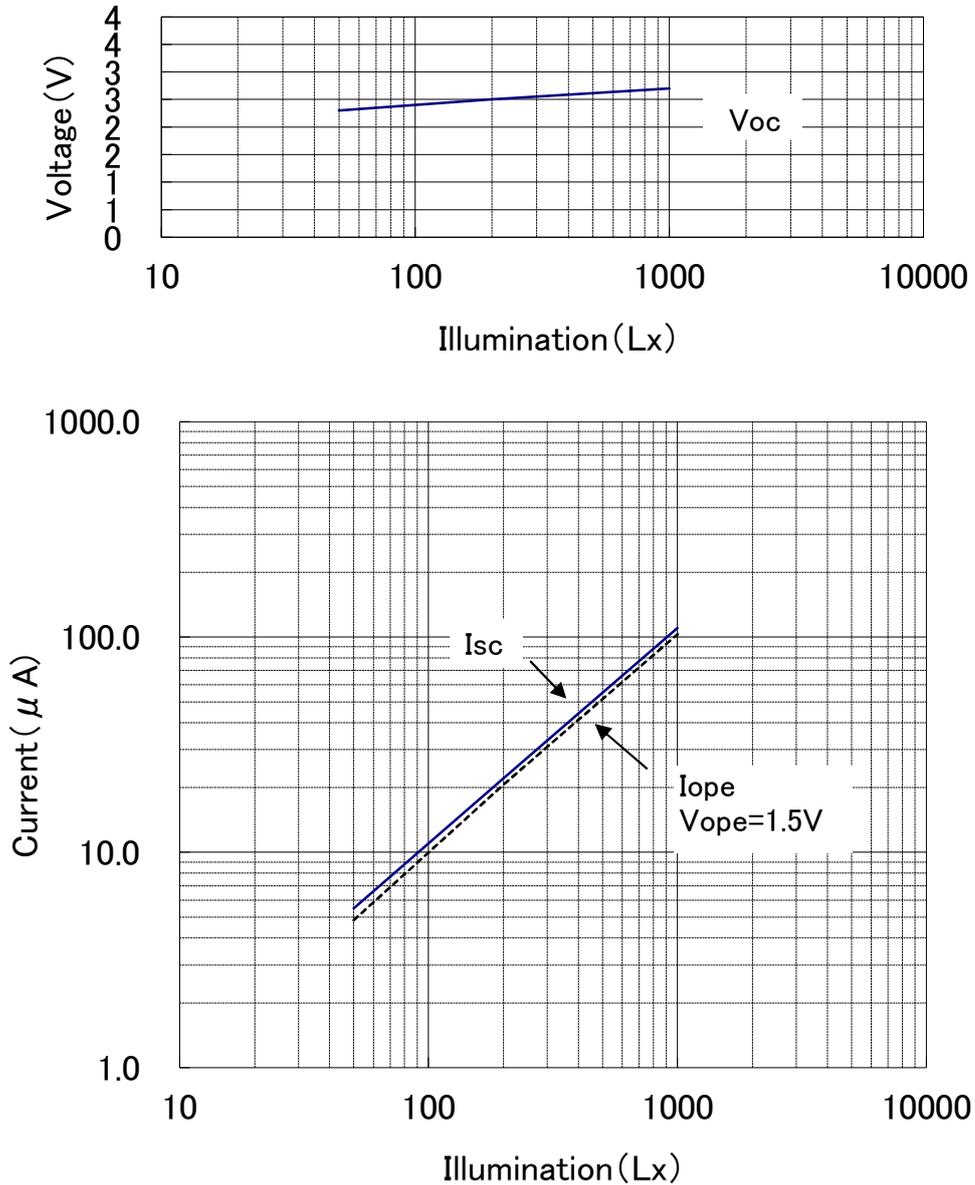
REFERENCE

Dependence of Output on Illumination

1.Model : AM-1424

2.Outside Dimension : 53.0mm × 13.8mm

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

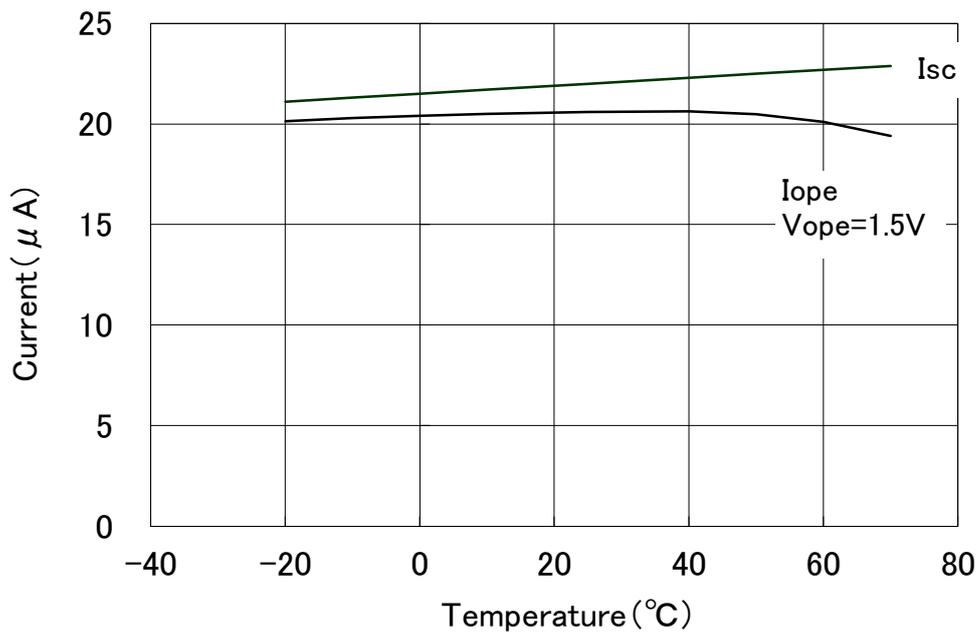
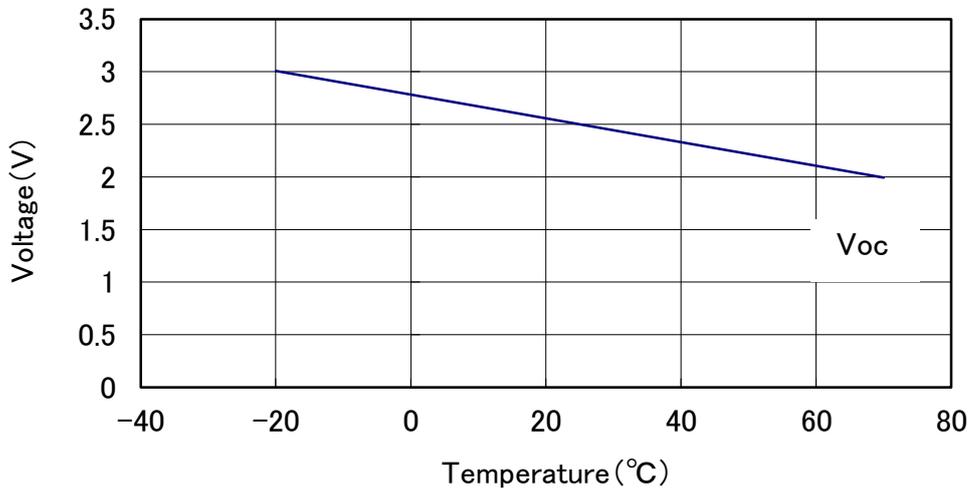
REFERENCE

Dependence of Output on Temperature

1.Model : AM-1424

2.Outside Dimension : 53.0mm × 13.8mm

at 200Lx White Fluorescent Light



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