

出力の照度依存特性

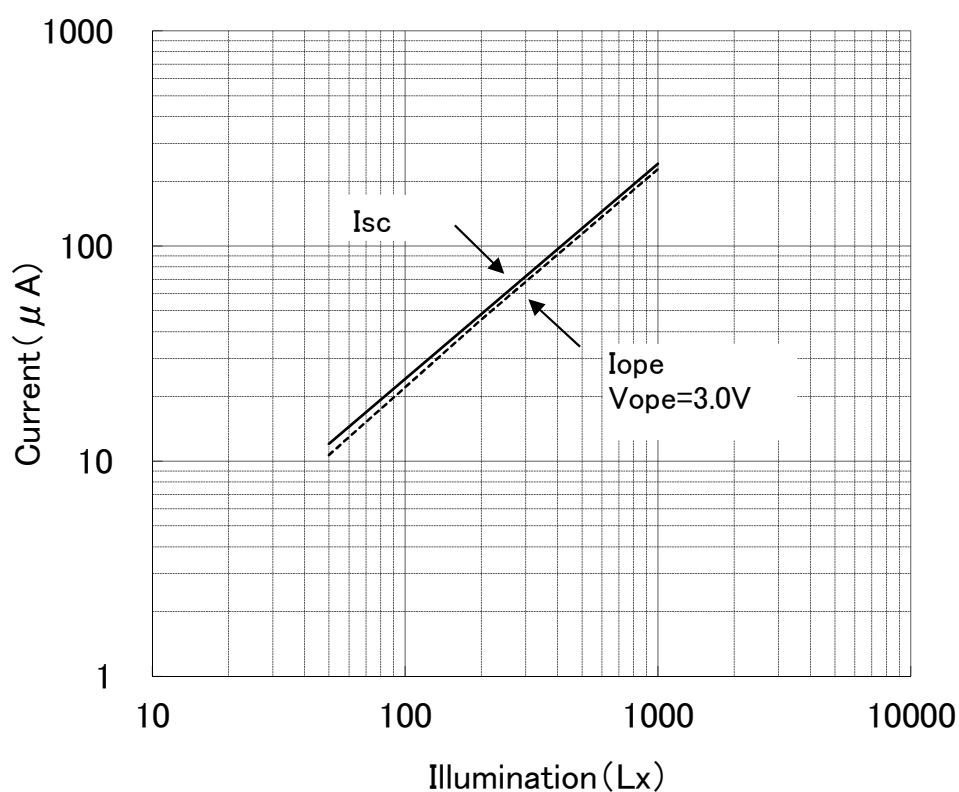
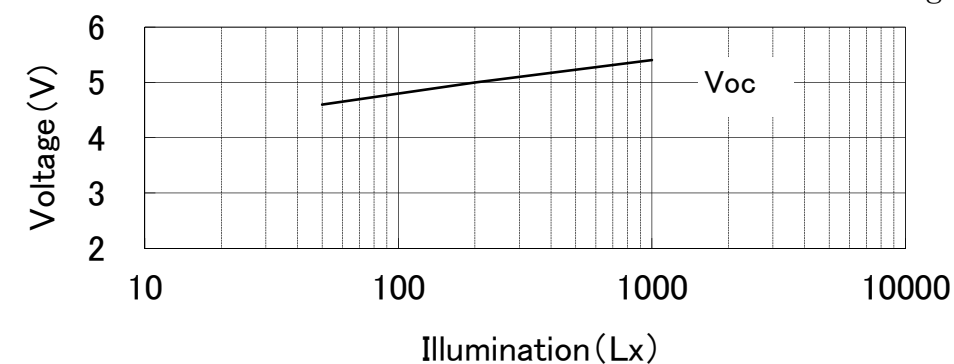
REFERENCE

Dependence of Output on Illumination

1.Model : AM-1815

2.Outside Dimension : 58.1mm × 48.6mm

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.

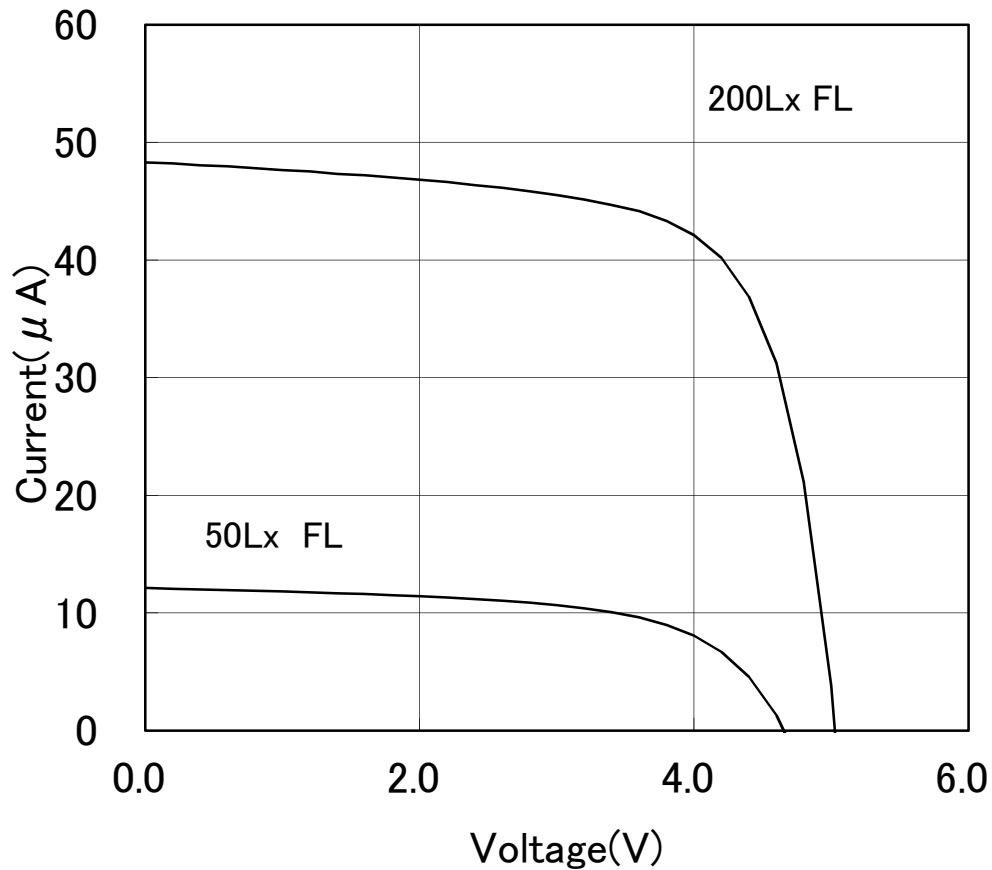
I – V Characteristics

REFERENCE

1.Model : AM-1815

2.Outside Dimension : 58.1mm × 48.6mm

FL:White Fluorescent Light



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Panasonic Solar Amorton Co.,Ltd.

2019/4/26

出力の温度依存特性

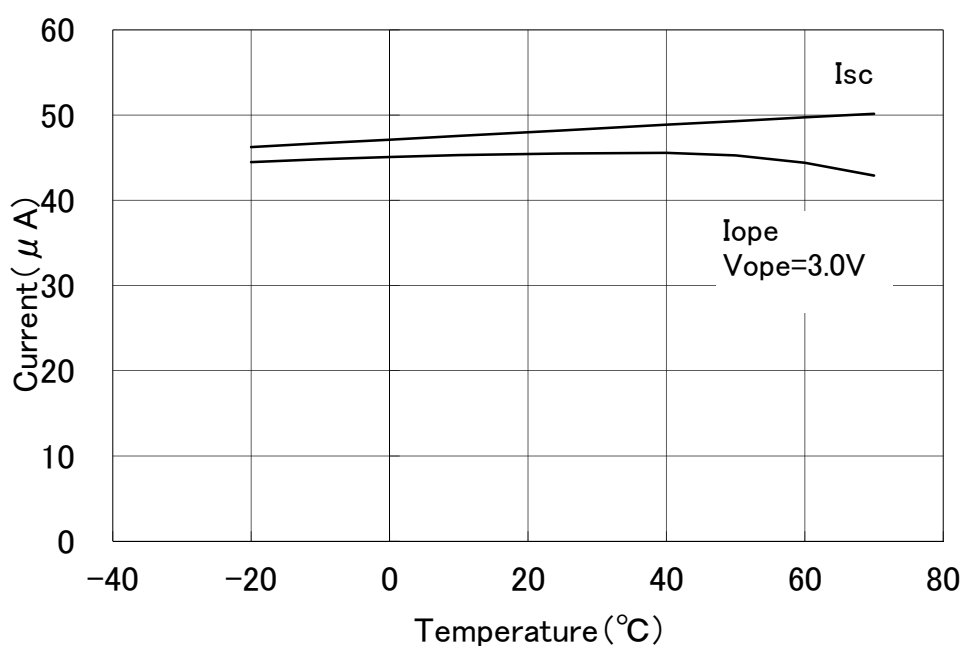
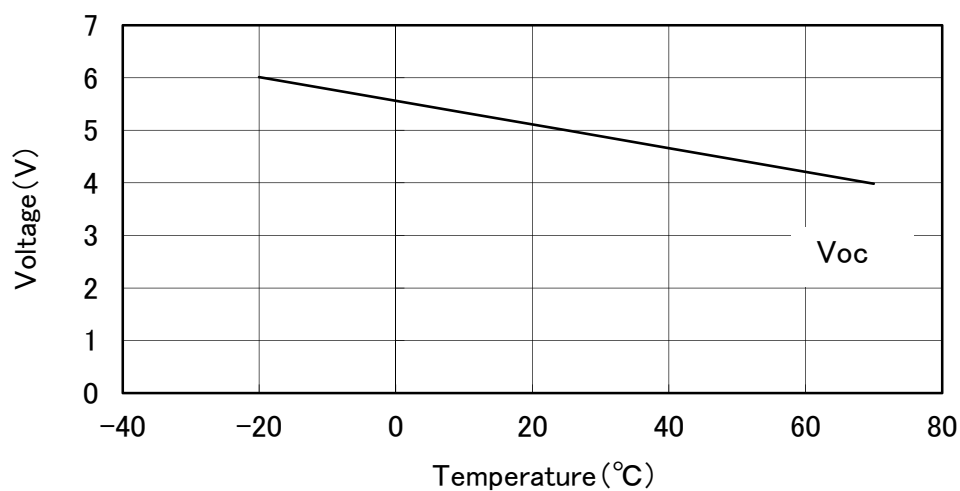
REFERENCE

Dependence of Output on Temperature

1.Model : AM-1815

2.Outside Dimension : 58.1mm × 48.6mm

at 200Lx White Fluorescent Light



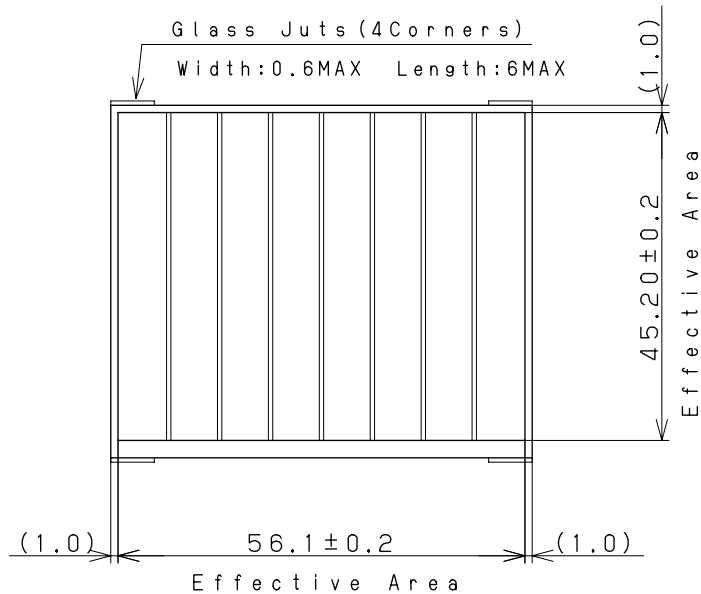
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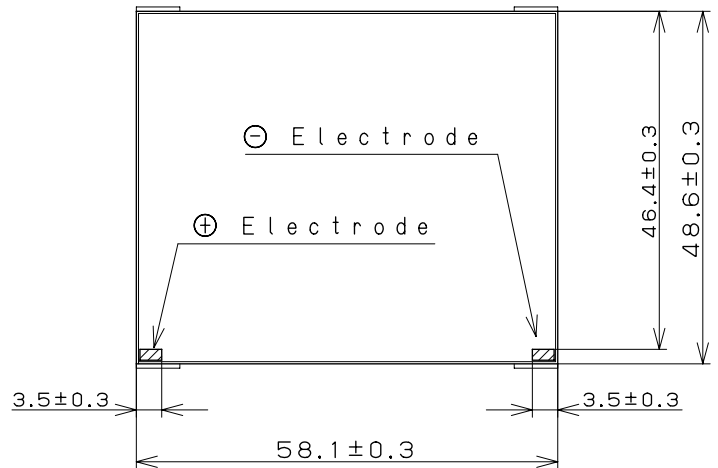
Model : AM-1815C

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): 1.3mm 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} 開放電圧	Typical 5.0V at 200Lx FL
2.2 Short circuit Current: I_{sc} 短絡電流	Typical 48.2 μA at 200Lx FL
2.3 Operating Voltage & Operating Current: $V_{ope} - I_{ope}$ 動作特性	Typical 2.6V - 10.5 μA at 50Lx FL
	Minimum 3.0V - 31.5 μA at 200Lx FL
	Typical 3.0V - 45.7 μA at 200Lx FL
2.5 Working temperature range: T_{opr} 動作温度範囲	-10 to 60℃
2.6 Storage temperature range: T_{stg} 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

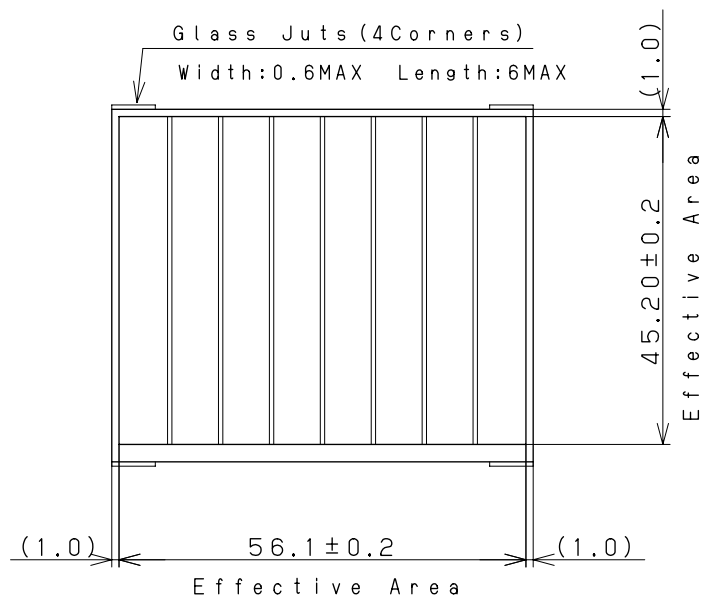
Amorphous Silicon Solar Cells Specification

アモルファスシリコン太陽電池 仕様

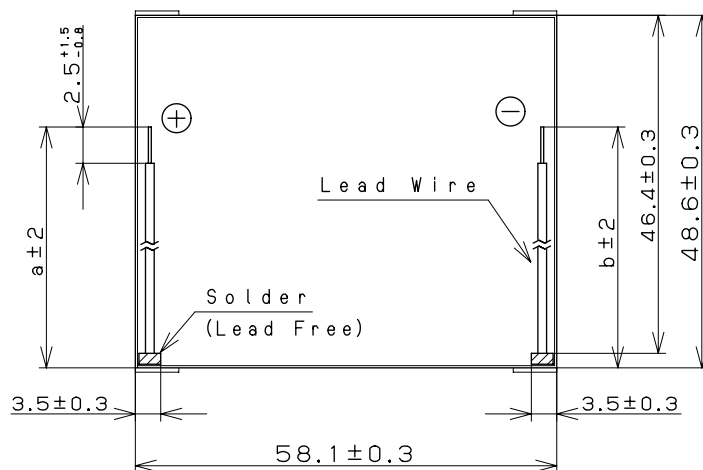
Model : AM-1815CA

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-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 5.0V at 200Lx FL
2.2 Short circuit Current: Isc 短絡電流	Typical 48.2 μA at 200Lx FL
2.3 Operating Voltage & Operating Current: Vope-lope 動作特性	Typical 2.6V - 10.5 μA at 50Lx FL
	Minimum 3.0V - 31.5 μA at 200Lx FL
	Typical 3.0V - 45.7 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