

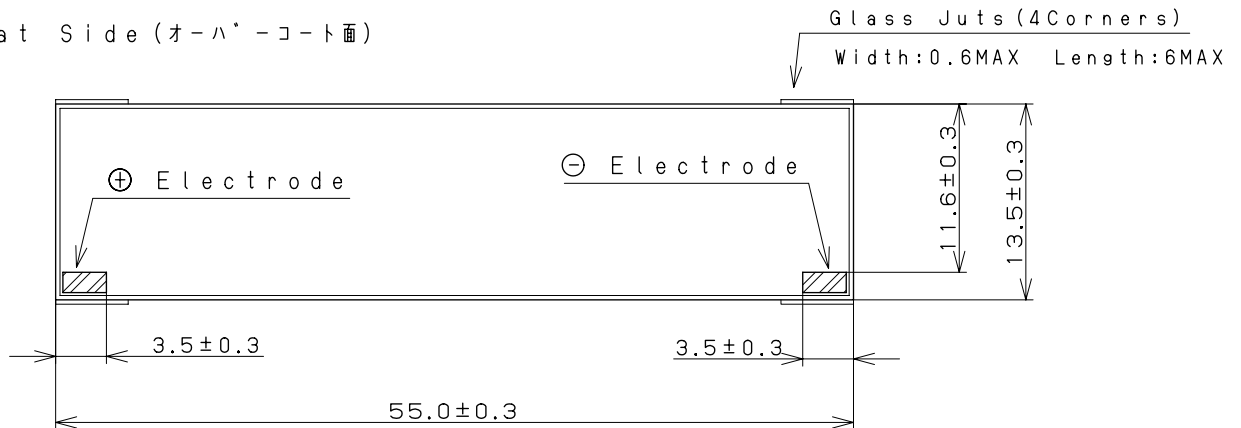
Amorphous Silicon Solar Cells Specification

アモルファスシリコン太陽電池 仕様

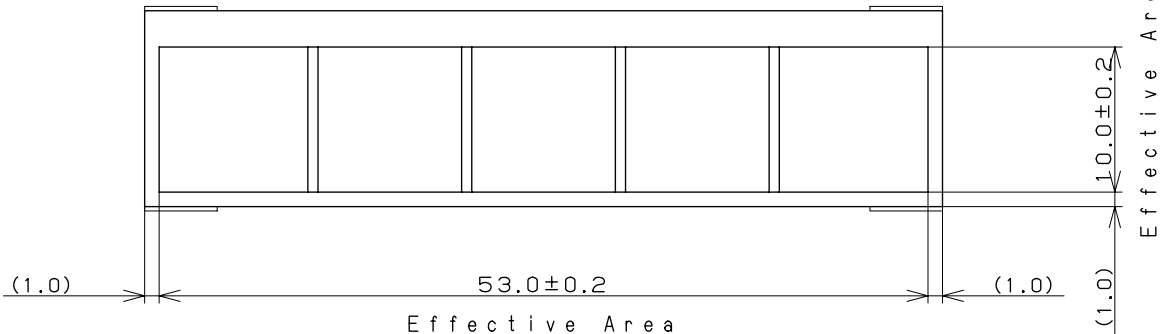
Model: AM-1513C

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): 1.1mm ± 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ード線付けが可能です。)

2. Rated Specifications (at 25°C)

Item	Specifications (Initial)		
2.1 Open circuit voltage: Voc 開放電圧	Typical	3.1V	at 200Lx FL
2.2 Short circuit Current: Isc 短絡電流	Typical	16.8 μA	at 200Lx FL
2.3 Operating Voltage & Operating Current: Vope-lope 動作特性	Typical	1.6V - 3.75 μA	at 50Lx FL
	Minimum	1.8V - 10.5 μA	at 200Lx FL
	Typical	1.8V - 15.9 μA	at 200Lx FL
2.5 Working temperature range: Topr 動作温度範囲	-10 to 60°C		
2.6 Storage temperature range: Tstg 保存温度範囲	-20 to 70°C		
2.7 Working illuminance range 使用照度範囲	~1000Lx		

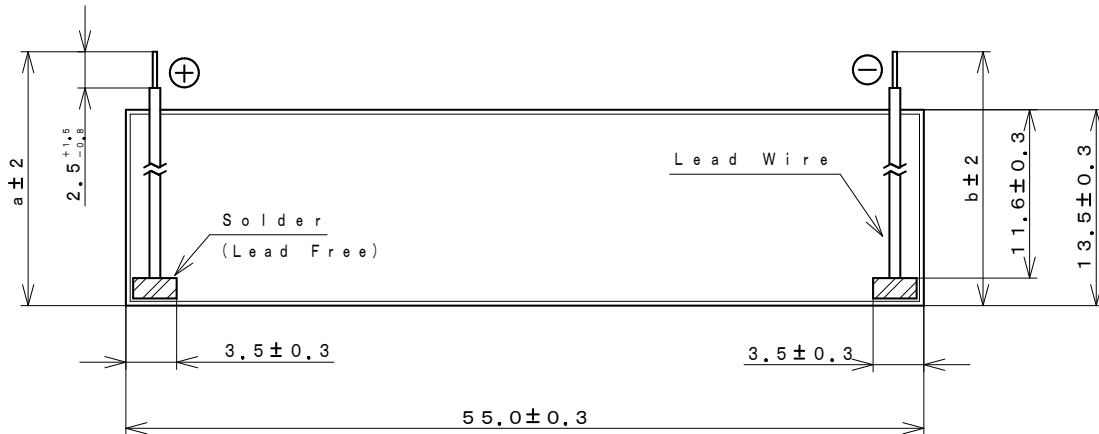
FL: White Fluorescent Light

アモルファスシリコン太陽電池 仕様

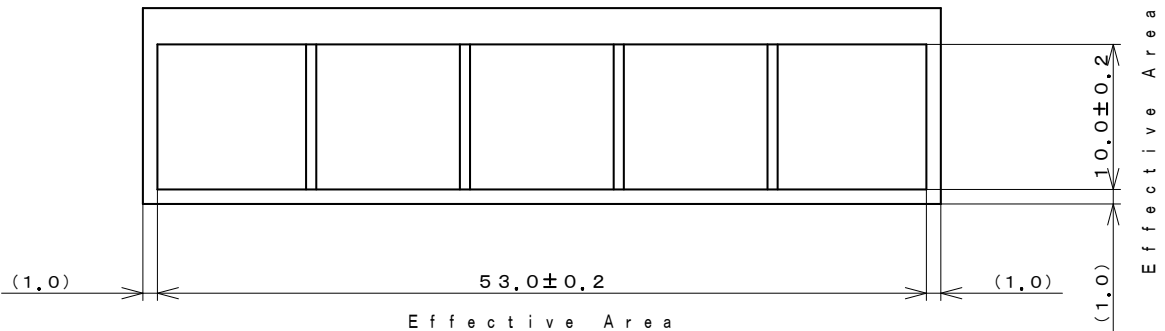
Model : AM-1513CA

1. Outside dimensions 外形寸法

Overcoat Side (オーハークコート面)



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°C)

Item	Specifications (Initial)
2.1 Open circuit voltage : Voc 開放電圧	Typical 3.1V at 200Lx FL
2.2 Short circuit Current : Isc 短絡電流	Typical 16.8 μA at 200Lx FL
2.3 Operating Voltage & Operating Current : Vope - Iope 動作特性	Typical 1.6V - 3.75 μA at 50Lx FL
	Minimum 1.8V - 10.5 μA at 200Lx FL
	Typical 1.8V - 15.9 μA at 200Lx FL
2.4 Maximum power Voltage (Vpm) & Maximum power Current (Ipm) 最大出力動作電圧 & 最大出力動作電流	Typical 2.6V - 13.6 μA at 200Lx FL
2.5 Working temperature range : Topr 動作温度範囲	-10 to 60°C
2.6 Storage temperature range : Tstg 保存温度範囲	-20 to 70°C
2.7 Working illuminance range 使用照度範囲	~1000Lx

FL: White Fluorescent Light

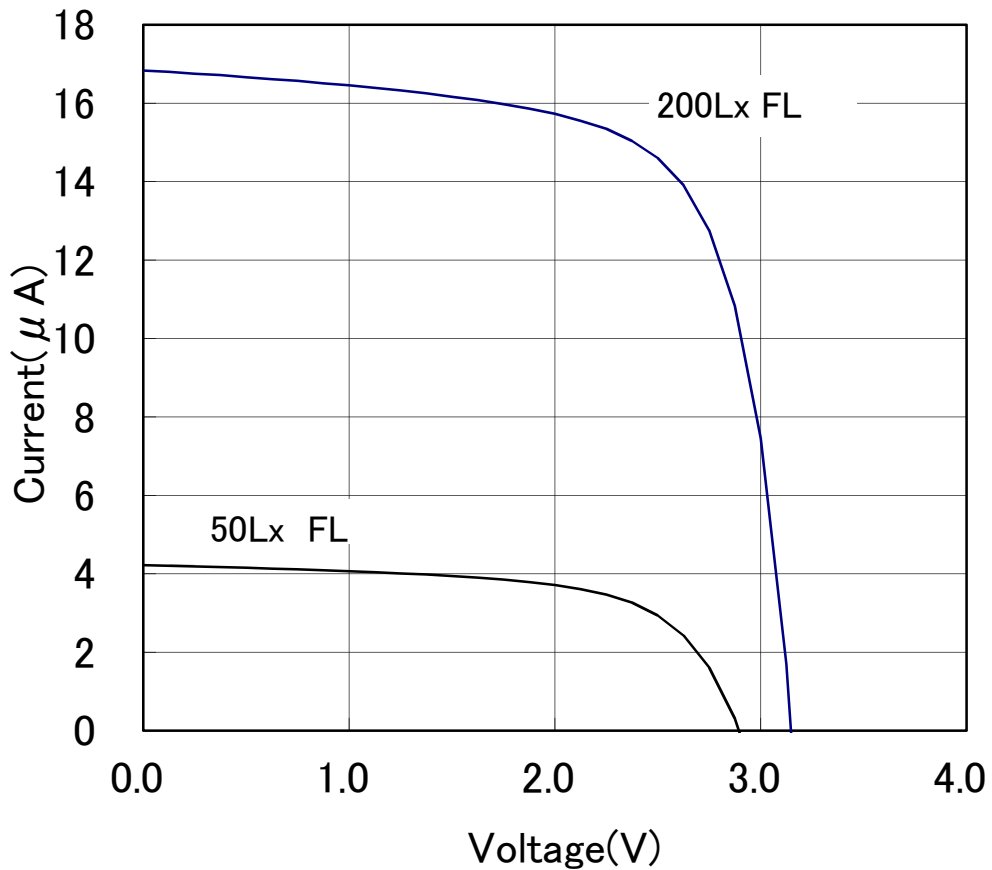
I - V Characteristics

REFERENCE

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.

Panasonic Solar Amorton Co.,Ltd.

2019/4/25

出力の照度依存特性

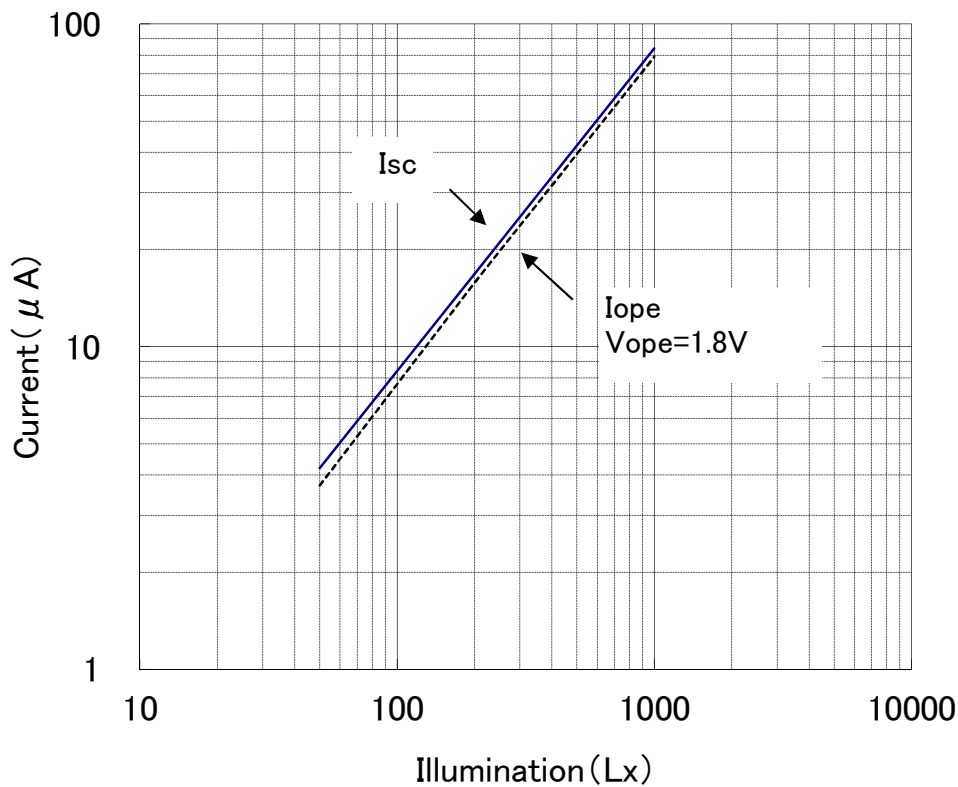
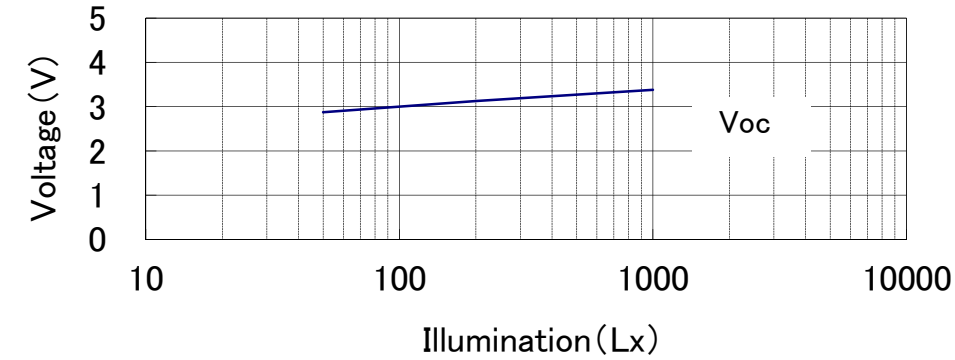
REFERENCE

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.

出力の温度依存特性

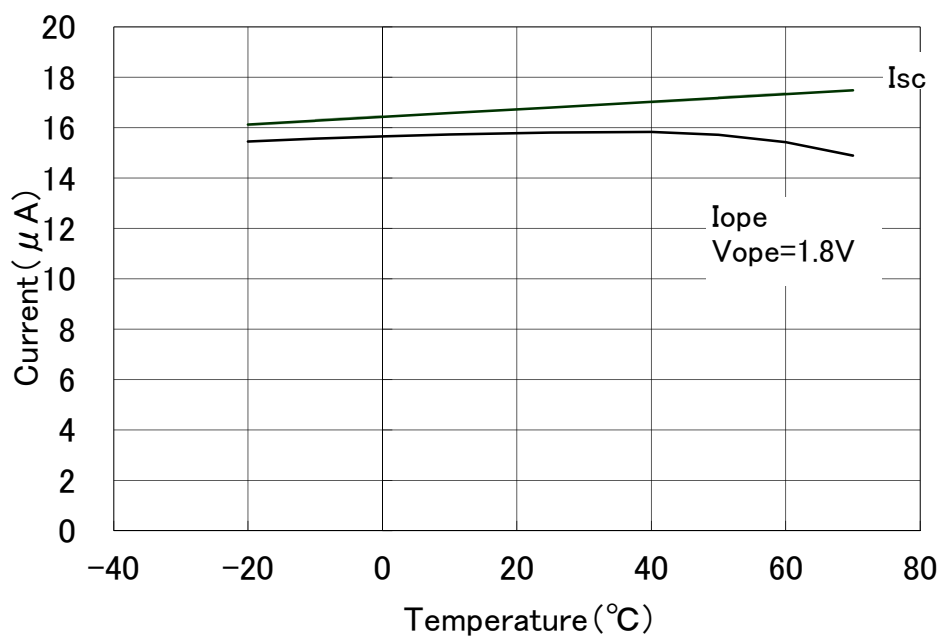
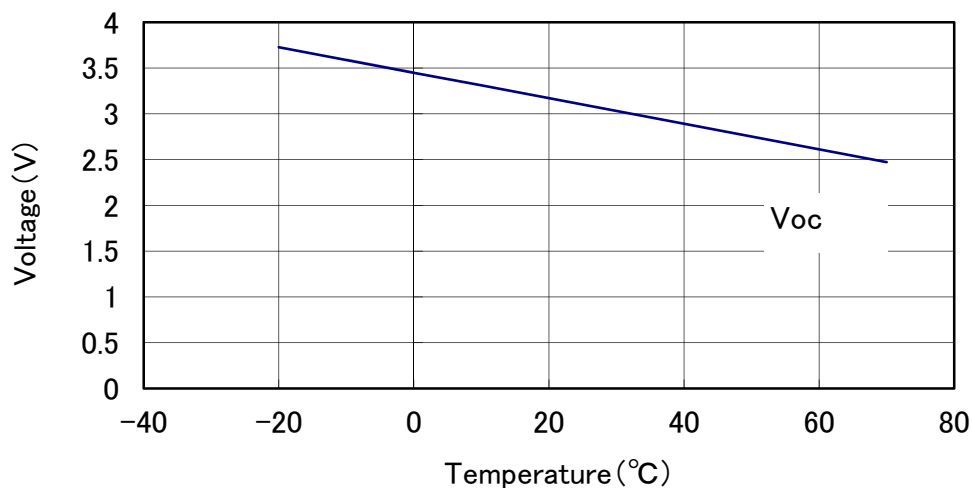
REFERENCE

Dependence of Output on Temperature

1. Model : AM-1513

2. Outside Dimension : 55.0mm × 13.5mm

at 200Lx White Fluorescent Light



*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.