

Amorphous Silicon Solar Cells Specification

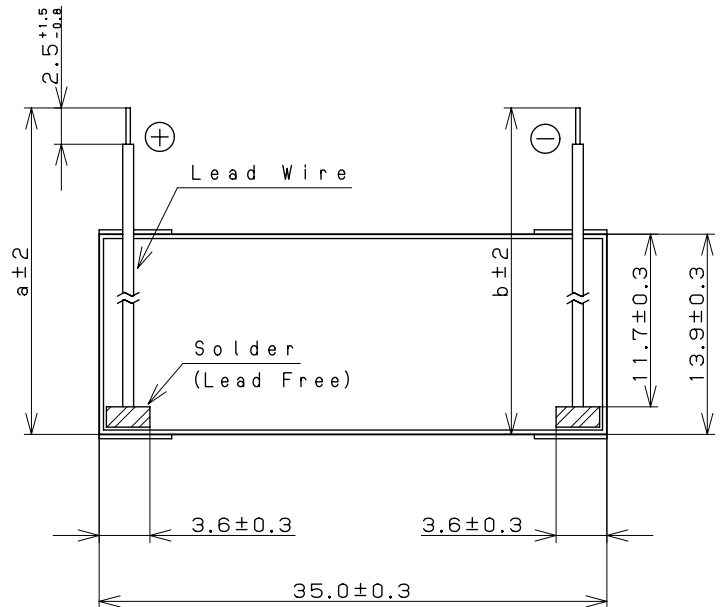
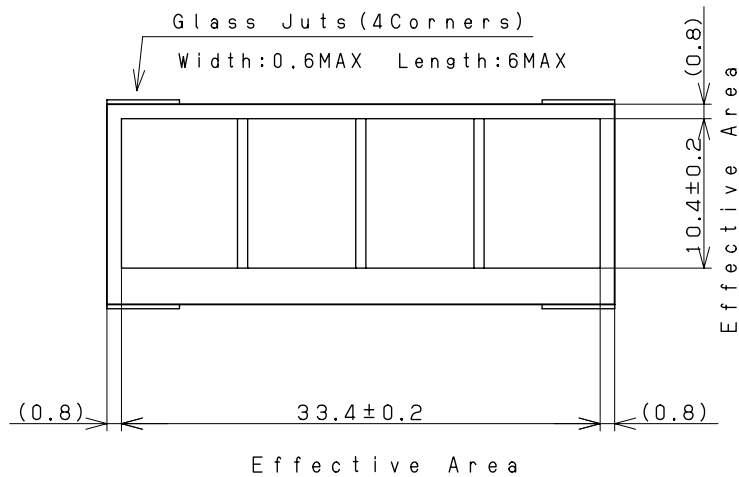
アモルファスシリコン太陽電池 仕様

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) : 1.1 mm ± 0.1

Module Thickness (モジュール厚) : 1.3 mm MAX

Wire-Overcoat thickness: 2.5 mm MAX (including Module)
(リード線補正コート厚)

2. Rated Specifications (at 25℃)

Item	Specifications (Initial)		
2.1 Open circuit voltage: Voc 開放電圧	Typical	2.4 V	at 200 Lx FL
2.2 Short circuit Current: Isc 短絡電流	Typical	13.5 μA	at 200 Lx FL
2.3 Operating Voltage & Operating Current: Vope-lope 動作特性	Typical	1.4 V - 3.1 μA	at 50 Lx FL
	Minimum	1.5 V - 9.0 μA	at 200 Lx FL
	Typical	1.5 V - 12.5 μA	at 200 Lx 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	~1000 Lx		

FL: White Fluorescent Light

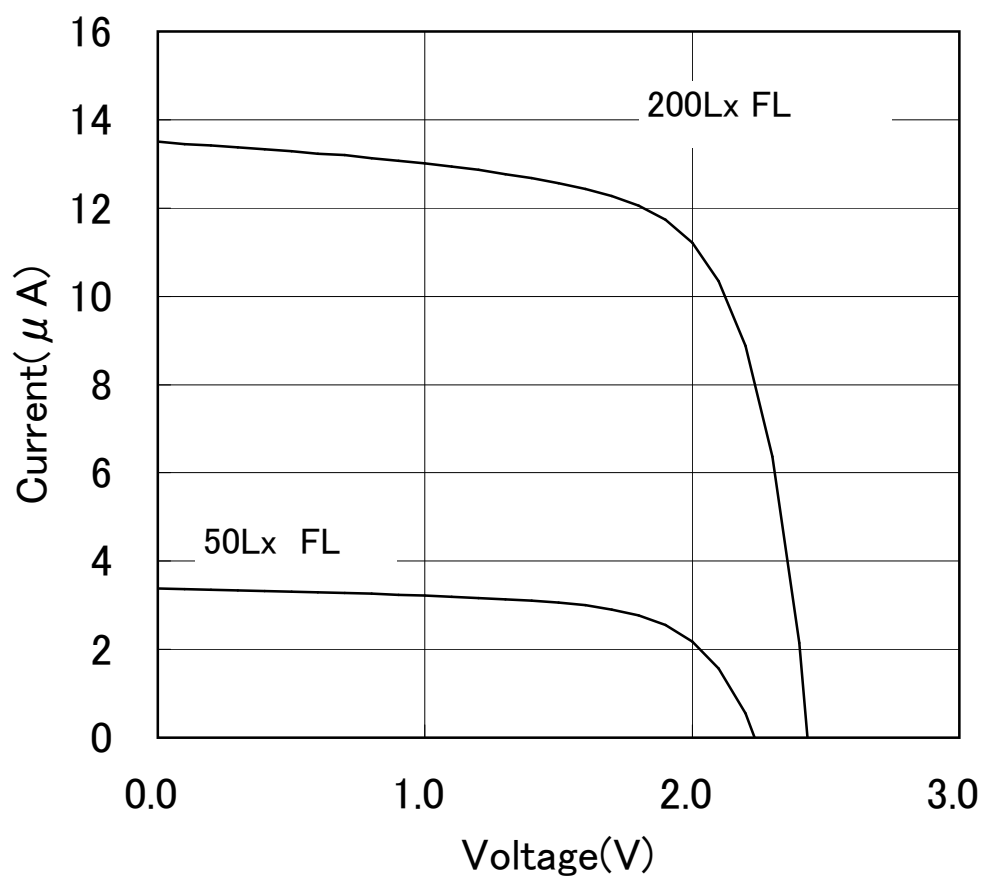
I – V Characteristics

REFERENCE

1.Model : AM-1417

2.Outside Dimension : 35.0mm × 13.9mm

FL:White Fluorescent Light



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*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

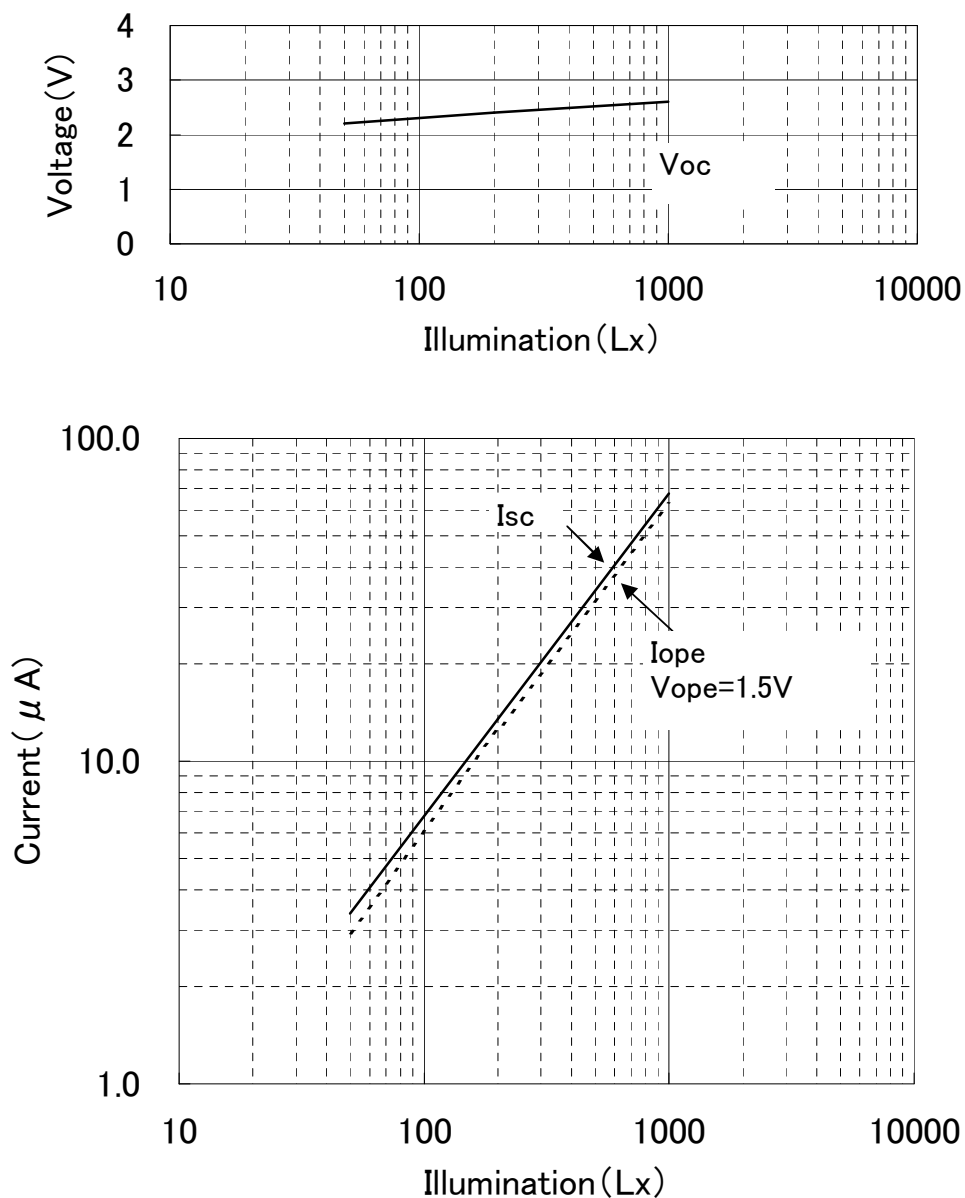
REFERENCE

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

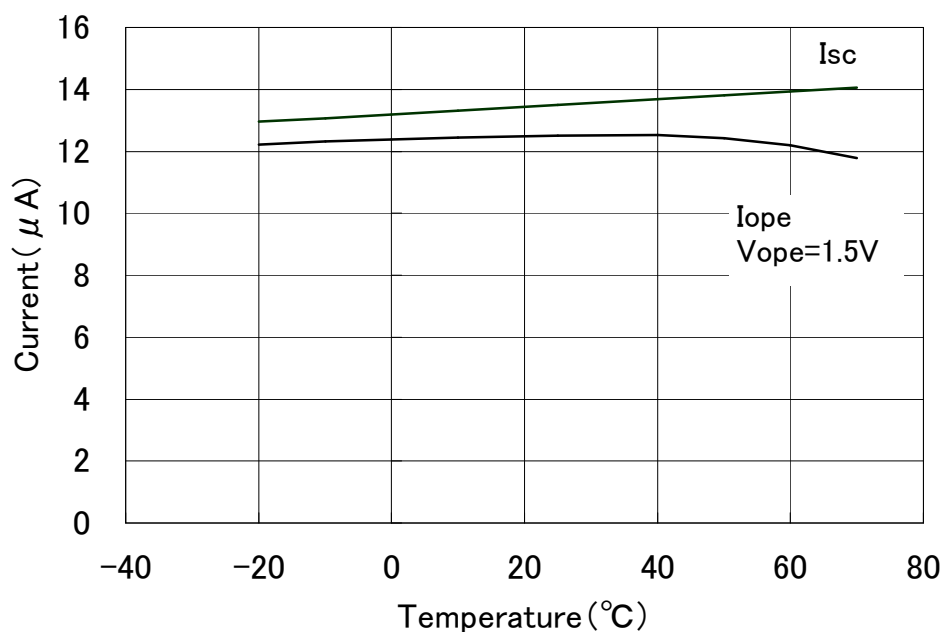
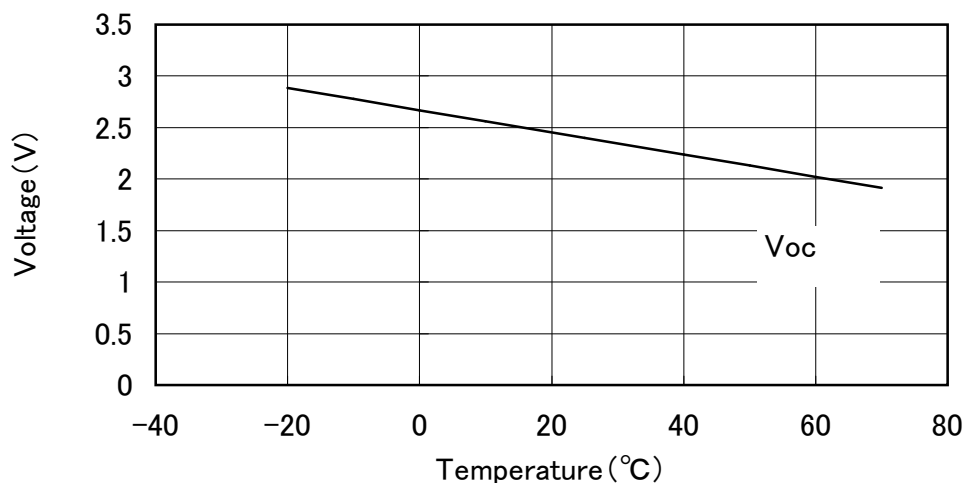
REFERENCE

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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