

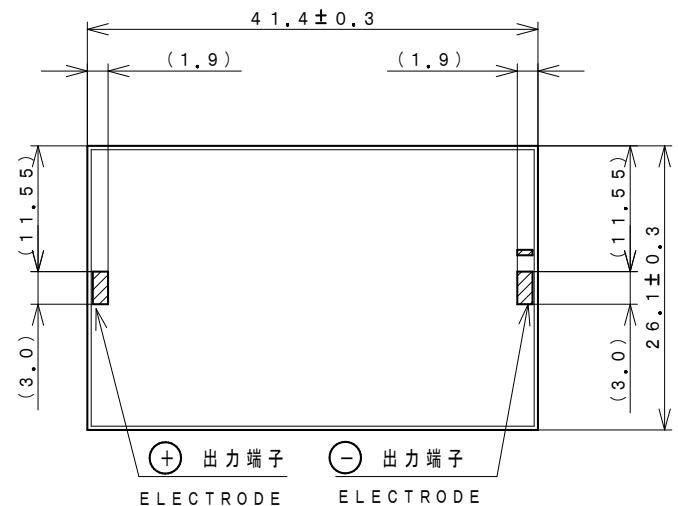
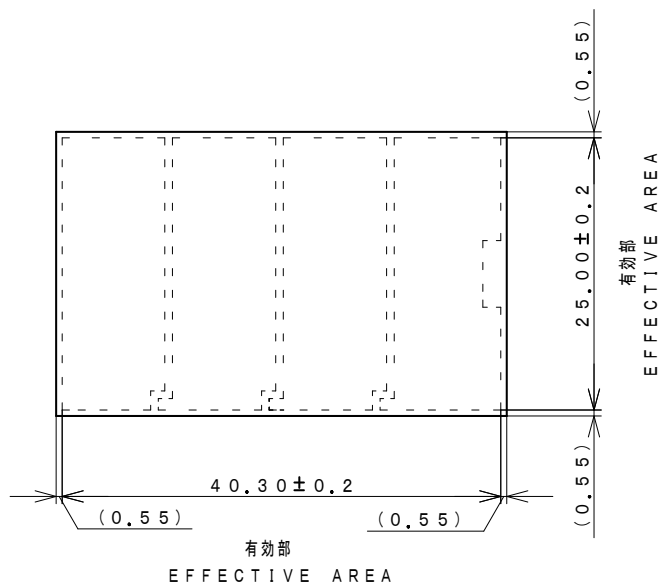
アモルファスシリコン太陽電池 仕様

Model : AMG-1401C

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) : 1.1mm ± 0.1

Module Thickness (モジュール厚) : 1.3mm MAX

Solderable (半田付け可能)

2. Rated Specifications (at 25℃ ± 2℃)

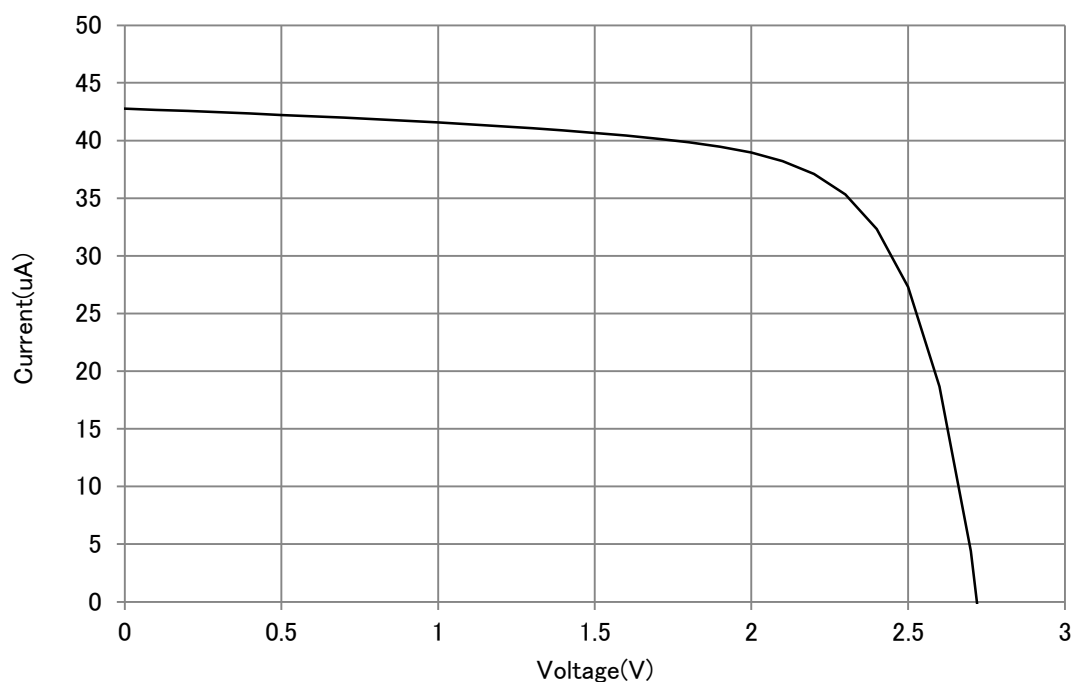
Item	Specifications (Initial)		
2.1 Open Circuit Voltage : Voc 開放電圧	Minimum	2.3 V	at 200Lx FL
	Typical	2.7 V	at 200Lx FL
2.2 Short Circuit Current : Isc 短絡電流	Typical	43.3 μA	at 200Lx FL
2.3 Operating Voltage & Operating Current : Vope - Iope 動作特性	Minimum	1.5 V - 34.0 μA	at 200Lx FL
	Typical	1.5 V - 40.7 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	2.1 V - 35.4 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	~1000 Lx		

Indoor-Use Amorton (Improve Appearance) I-V characteristic data

Model : AMG-1401C

Dimension : 41.4mm × 26.1mm × 1.1mm

Measurement Source of Light : 200Lx White Fluorescent Light



	Voc(V)	Isc(uA)	Iope(uA) Vope=1.5V	Pm(uW)	Vpm (V)	Ipm (μ A)
AMG-1401C	2.7	43.3	40.7	74.3	2.1	35.4

Voc: Open Circuit Voltage, Isc: Short Circuit Current

Iope: Operation Current, Vope: Operation Voltage

Pm: Maximum Power, Vpm: Maximum Power Operating Voltage

Ipm: Optimum Power Operating Current

* This data only represents simulated results, and does not guarantee the actual characteristics.

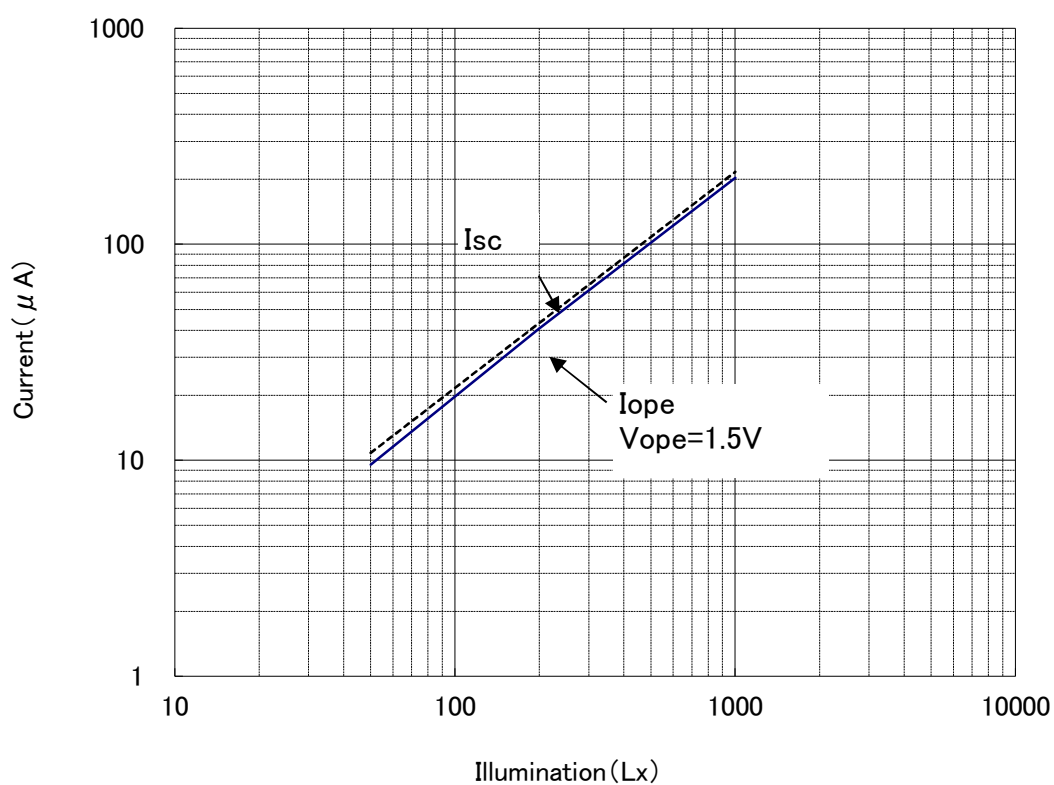
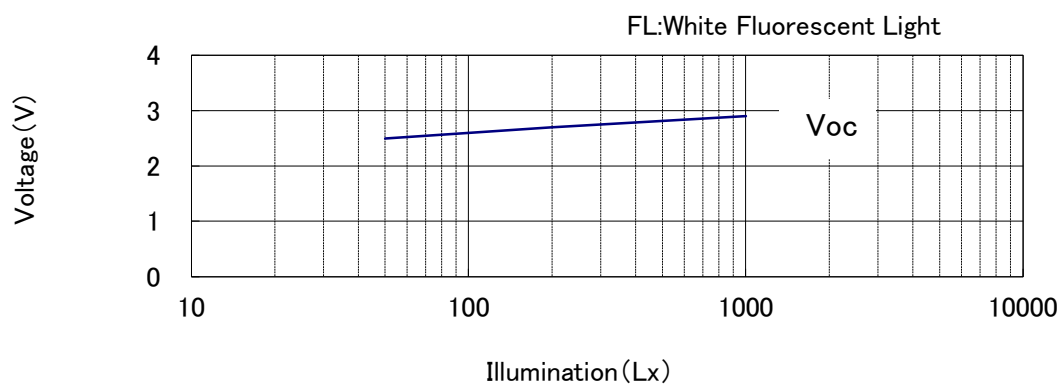
出力の照度依存特性

REFERENCE

Dependence of Output on Illumination

1.Model : AMG-1401C

2.Outside Dimension : 41.4mm × 26.1mm



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出力の温度依存特性

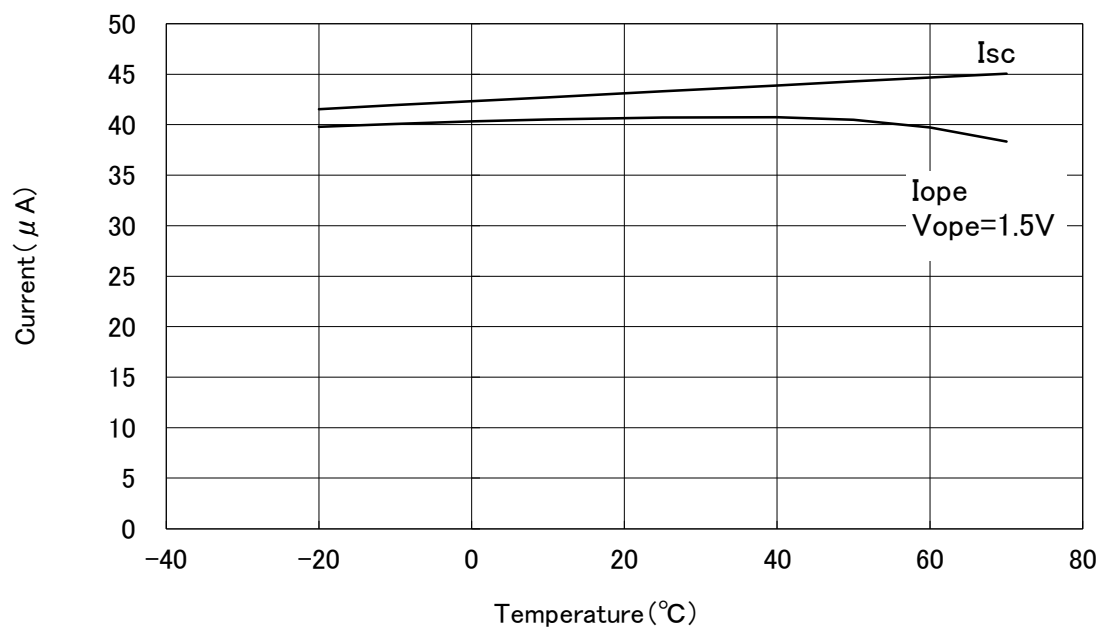
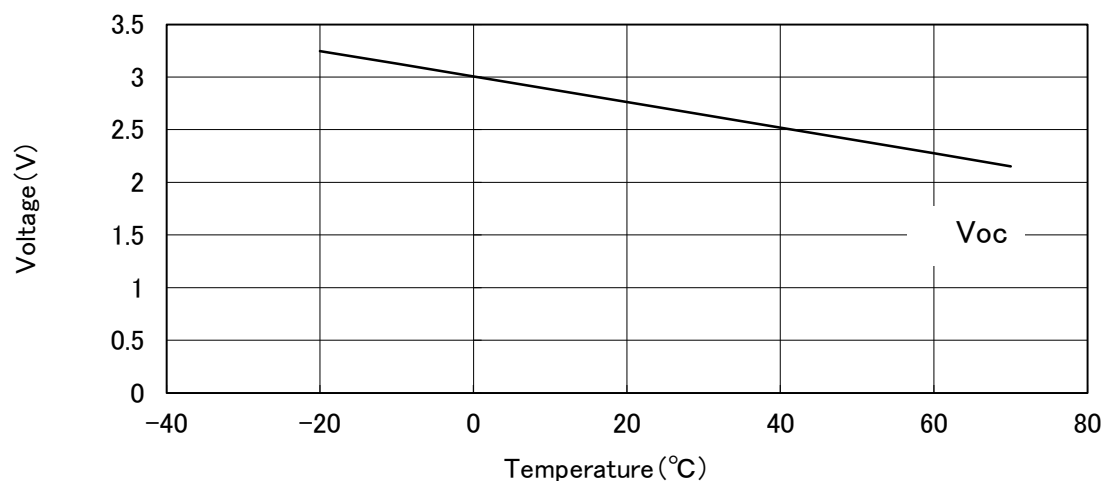
REFERENCE

Dependence of Output on Temperature

1.Model AMG-1401C

2.Outside Dimension : 41.4mm × 26.1mm

at 200Lx White Fluorescent Light



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