

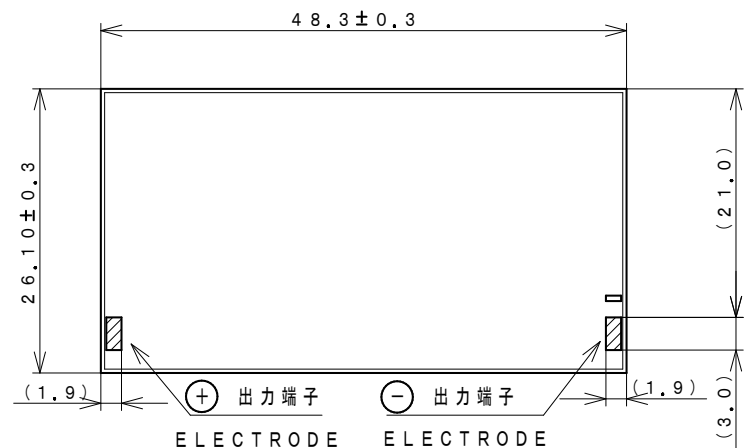
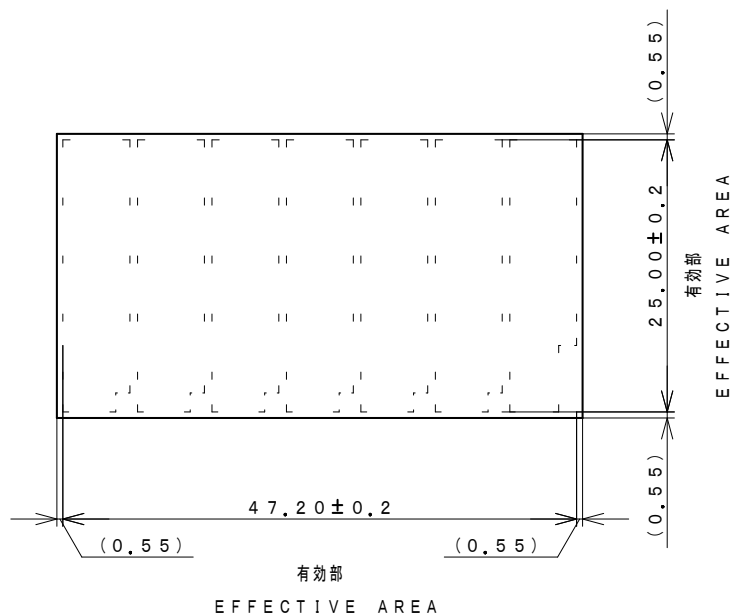
アモルファスシリコン太陽電池 仕様

Model : AMG-1701C

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

Solderable (半田付け可能)

2. Rated Specifications (at $25^{\circ}\text{C} \pm 2^{\circ}\text{C}$)

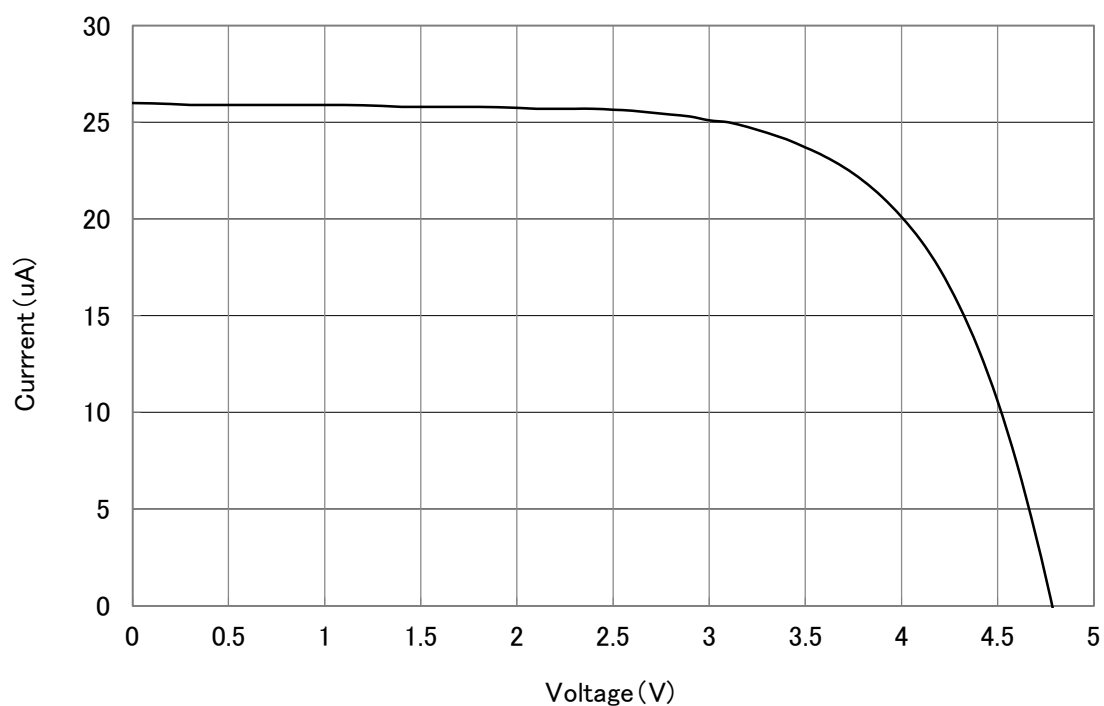
Item	Specifications (Initial)		
2.1 Open Circuit Voltage : V_{oc} 開放電圧	Minimum	4.3 V	at 200 Lx FL
	Typical	4.7 V	at 200 Lx FL
2.2 Short Circuit Current : I_{sc} 短絡電流	Typical	26.0 μA	at 200 Lx FL
2.3 Operating Voltage & Operating Current : $V_{ope} - I_{ope}$ 動作特性	Minimum	3.0 V - 20.1 μA	at 200 Lx FL
	Typical	3.0 V - 25.2 μA	at 200 Lx FL
2.4 Maximum Power Voltage (V_{pm}) & Maximum Power Current (I_{pm}) 最大出力動作電圧 & 最大出力動作電流	Typical	3.7 V - 22.6 μA	at 200 Lx FL
2.5 Working Temperature Range : T_{opr} 動作温度範囲	-10 to 60°C		
2.6 Storage Temperature Range : T_{stg} 保存温度範囲	-20 to 70°C		
2.7 Working Illuminance Range 使用照度範囲	$\sim 1000\text{ Lx}$		

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

Model : AMG-1701C

Dimension : 48.3mm × 26.1mm × 1.1mm

Measurement Source of Light : 200Lx White Fluorescent Light



	Voc(V)	Isc(uA)	Iope(uA) Vo=3.0V	Pm(uW)	Vpm(V)	Ipm(μA)
AMG-1701C	4.7	26.0	25.2	83.6	3.7	22.6

Voc: Open Circuit Voltage, Isc: Short Circuit Current

Iope: Operation Current, Vo: 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.

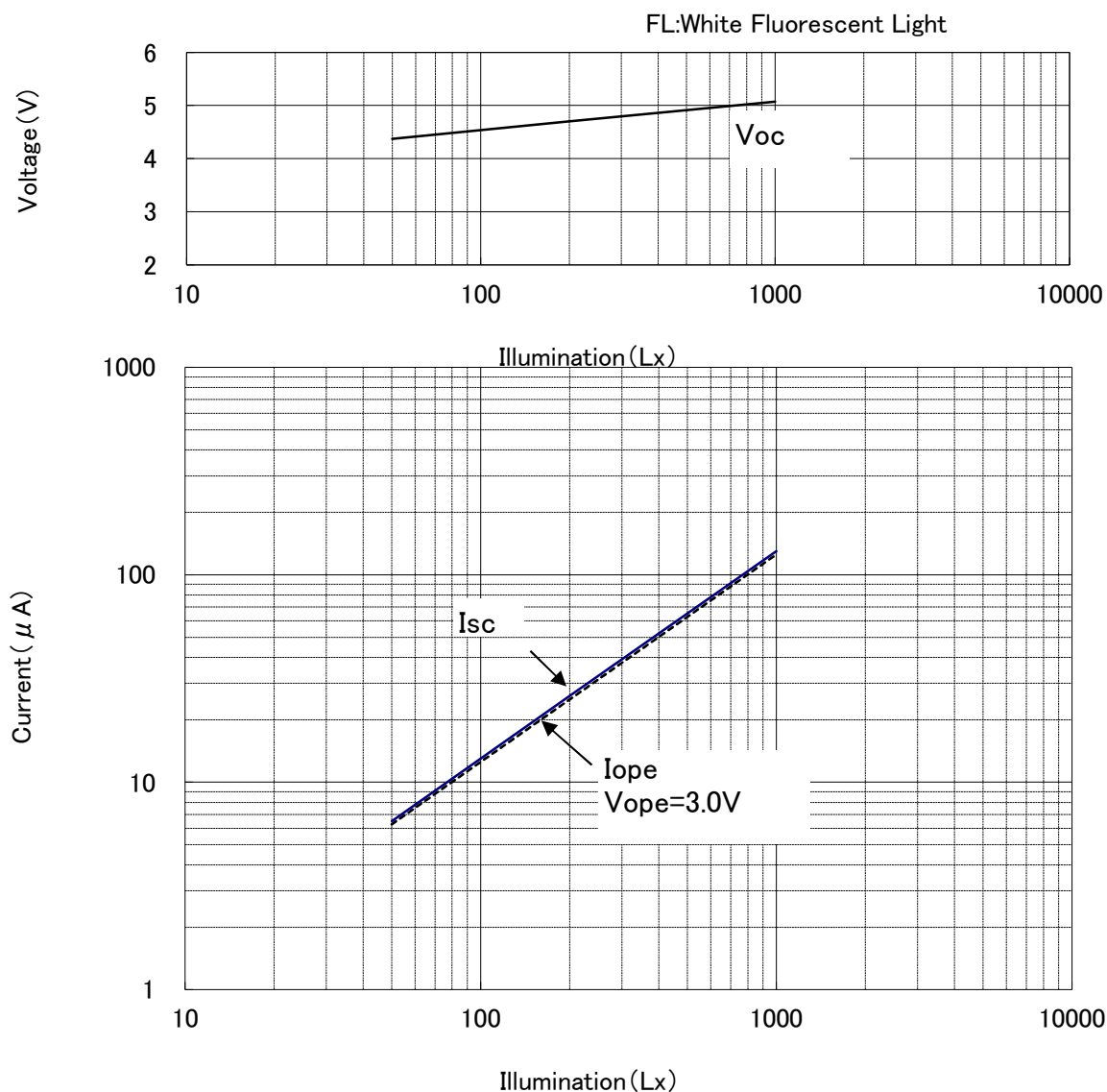
出力の照度依存特性

REFERENCE

Dependence of Output on Illumination

1.Model : AMG-1701C

2.Outside Dimension : 48.3mm × 26.1mm



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

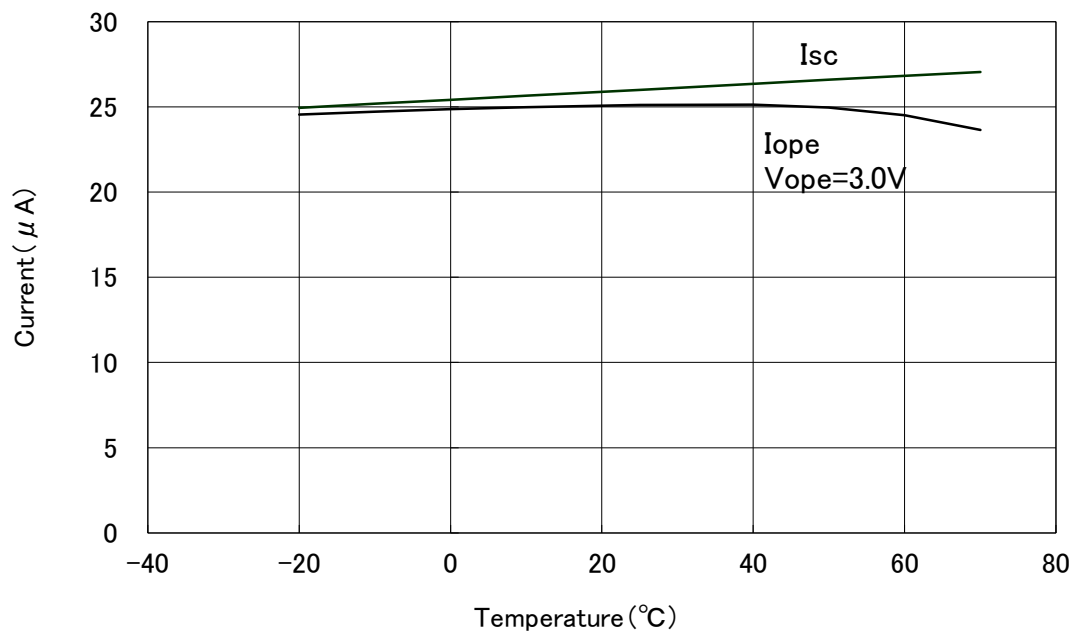
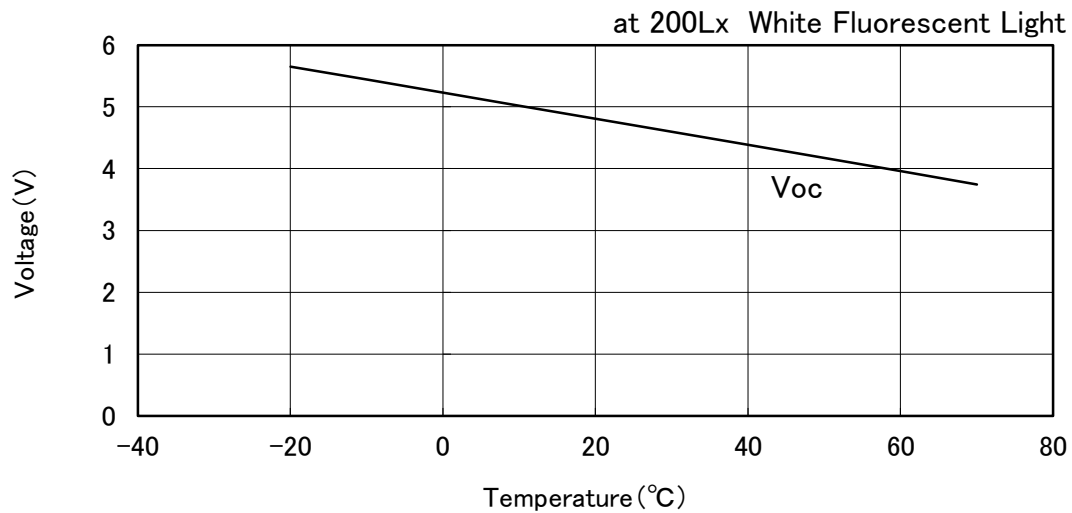
出力の温度依存特性

REFERENCE

Dependence of Output on Temperature

1.Model : AMG-1701C

2.Outside Dimension : 48.3mm × 26.1mm



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

Panasonic Sorar Amorton Co.,Ltd.

2024/3/21