

KSSC2-45P0X22P0

FEATURES

- Solar cells wafer : Mono-crystalline Silicone solar cell
- Front cover : Epoxy (2.0±0.5 mm)
- Back cover : PCB (About 1 mm)
- Cells size : 45 mm X 22 mm x 2 ea
- Dimension : 48 mm X 48 mm X 3 mm
- Weight : About 13 ± 2 g

MAXIMUM RATINGS

| Parameter | Symbol | Rating | Unit |
|---------------------------|--------|----------|------|
| Operating Temperature | Topr | -20 ~ 50 | °C |
| Storage Temperature range | Tstg | -20 ~ 50 | °C |

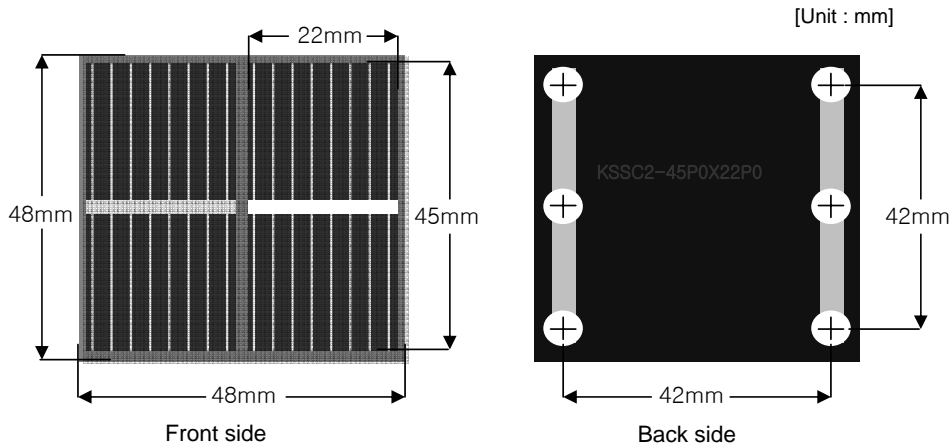
ELECTRO-OPTICAL CHARACTERISTICS

| Parameter | Symbol | Value | Unit |
|-----------------------|--------|-------|------|
| Peak Power | Pmax | 0.219 | W |
| Open Circuit Voltage | Voc | 1.165 | V |
| Short Circuit Current | Isc | 0.262 | A |
| Voltage @ Peak Power | Vmax | 0.925 | V |
| Current @ Peak Power | Imax | 0.237 | A |

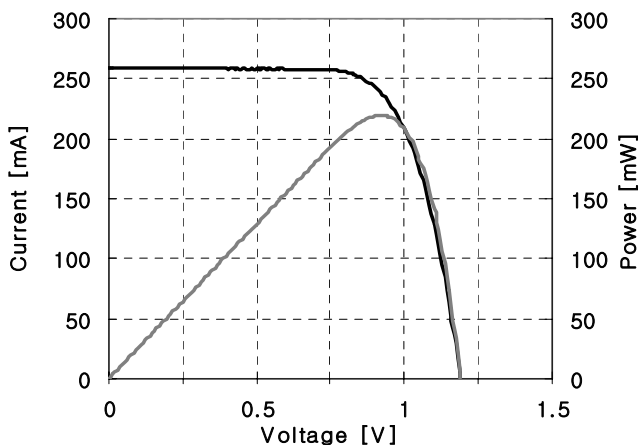
(Standard Test Condition (STC) : Irradiance 1KW/m², Spectrum 1.5 Air Mass, Temperature 25 °C)

* Test accuracy : ±5%

MECHANICAL INFORMATION



DYNAMIC CHARACTERISTICS



| | | |
|--------------------------|--------|-----------|
| 1. Peak Power | [Pmax] | 0.219 [W] |
| 2. Open Circuit Voltage | [Voc] | 1.191 [V] |
| 3. Short Circuit Current | [Isc] | 0.259 [A] |
| 4. Voltage @ Peak Power | [Vmax] | 0.919 [V] |
| 5. Current @ Peak Power | [Imax] | 0.239 [A] |

Standard Test Condition (STC) : Irradiance 1KW/m², Spectrum 1.5 Air Mass, Temperature 25°C
 * Test accuracy : ±5%