

KSSC12-37P5X4P55

FEATURES

- Solar cells wafer : Mono-crystalline Silicone solar cell
- Front cover : Glass(or Tempered Glass) + EVA (1.8 ± 0.3 mm)
- Back cover : PCB (About 1 mm)
- Cells size : 37.5 mm X 4.55 mm x 12 ea
- Dimension : 45 mm X 60 mm X 3 mm
- Weight : About 16 ± 2 g

MAXIMUM RATINGS

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

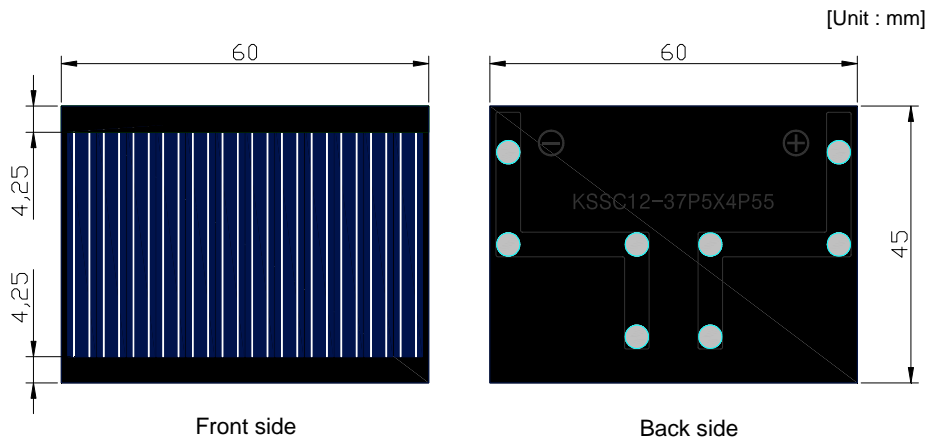
ELECTRO-OPTICAL CHARACTERISTICS

Parameter	Symbol	Value	Unit
Peak Power	Pmax	0.222	W
Open Circuit Voltage	Voc	6.750	V
Short Circuit Current	Isc	0.049	A
Voltage @ Peak Power	Vmax	4.940	V
Current @ Peak Power	Imax	0.045	A

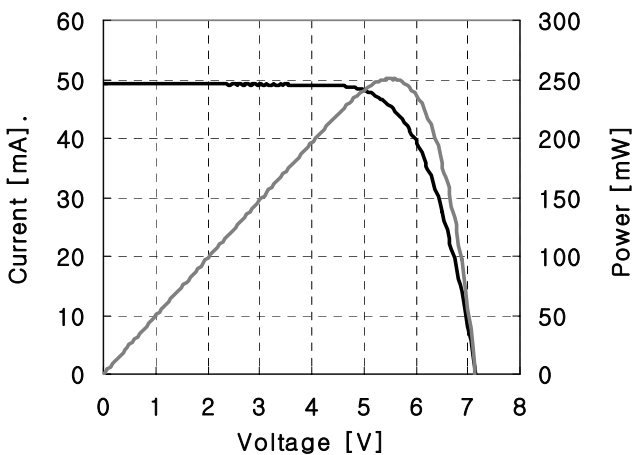
(Standard Test Condition (STC) : Irradiance 1KW/m², Spectrum 1.5 Air Mass, Temperature 25 °C)

* Test accuracy : ±5%

MECHANICAL INFORMATION



DYNAMIC CHARACTERISTICS



1. Peak Power	[Pmax]	0.250 [W]
2. Open Circuit Voltage	[Voc]	7.145 [V]
3. Short Circuit Current	[Isc]	0.049 [A]
4. Voltage @ Peak Power	[Vmax]	5.514 [V]
5. Current @ Peak Power	[Imax]	0.045 [A]

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