SOLEMS
L'énergie lumière

PRELIMINARY

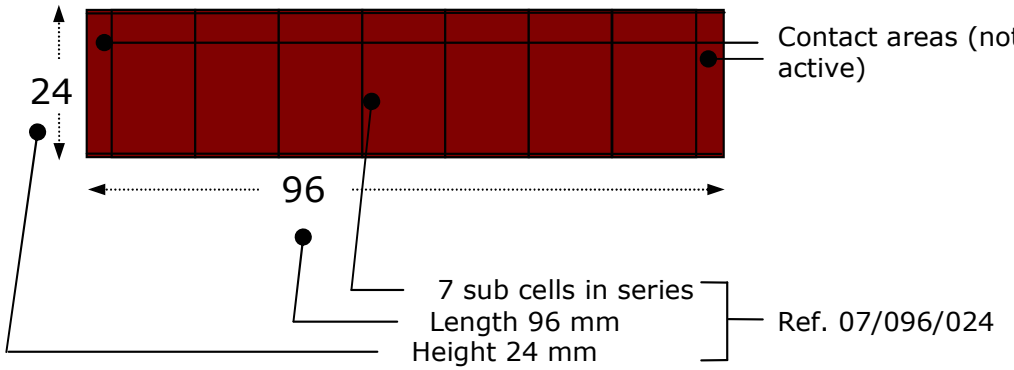
Solar cell

Indoor use – low and high illumination

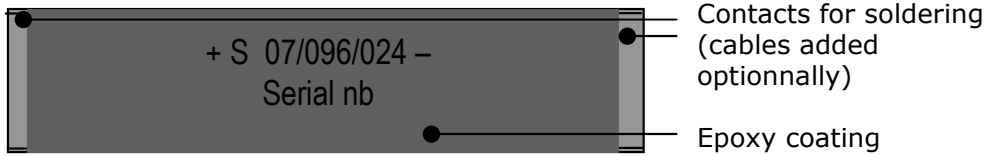
Ref. 07/096/024COA ou EOA

FT-PHOTOP_e 07096024 2009-1

FRONT SIDE



BACK SIDE



Electrical data

Indoor illumination

At 200 lux (fluo)	***At 1000 lux (fluo)***
Voc = 3.9V	Voc = 4.2V
Icc = 35 µA	Icc = 160 µA
Il/Vl = 32 µA / 2.8V	Il/Vl = 140 µA / 3V

Outdoor illumination

At 200 W/m² (STC)	***At 1000W/m² (STC)*** (*)
Voc = 4.5V	Voc = 5V
Icc = 5 mA	Icc = 18 mA
Il/Vl = 4 mA / 3.5V	Il/Vl = 12 mA / 3.7V

(*) *Conditions STC = Standard Test conditions = 25°C, s olar spectrum AM 1.5.*

Conditions of use

- Solder flexible cables with a welding iron at less than 320°C, with a lead-free alloy.
- Can be assembled with flexible non-acidic glue or ribbon.
- Substrate is glass.
- Climatic conditions -40°C / +70°C, 75% relative humidity 75%
- Place in a weatherproof housing for outdoor use, with UV-stable window in front.

See more details on the « SOLAR CELLS » data sheet

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