

Film Solar Cells

Amorphous Silicon Type

BCS series

Issue date: October 2011

- All specifications are subject to change without notice.
 - Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.
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Film Solar Cells

Amorphous Silicon Type BCS Series

The series consists of amorphous silicon solar cells using film substrates that can be processed into various forms, from small cells to large modules. Moreover, the series features excellent shock resistance and drop impact resistance, owing to its light weight.

FEATURES

- Can be custom-designed according to various shapes and applications.
- Thin, lightweight, and flexible solar cells adopting a film substrate.
- Elongation and cost reduction have been realized through the adoption of the RR (Roll to Roll) method.

APPLICATIONS

- Wristwatches
- Multifunctional IC cards with display
- Energy harvesting elements
- Digital books
- Charging and power supply applications for other electronic devices

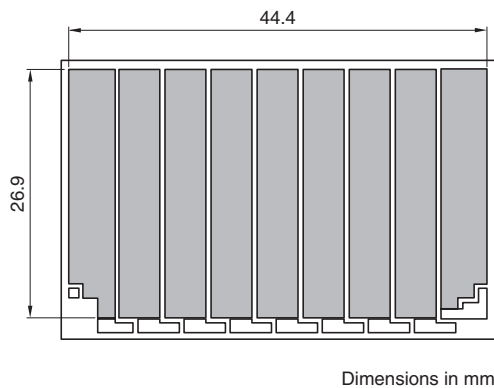
ORDERING PROCESS

Production is consigned to OEM producers; please consult us regarding your particular requirements.

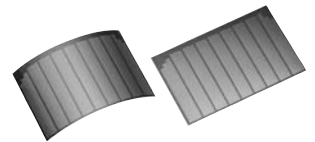
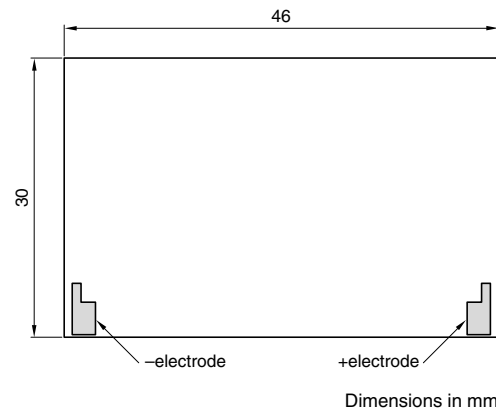
DESIGN EXAMPLES BCS4630B9

SHAPES AND DIMENSIONS

Photoactive side
Hatching areas: Photoactive area



Electrode side
Hatching areas: Electrodes



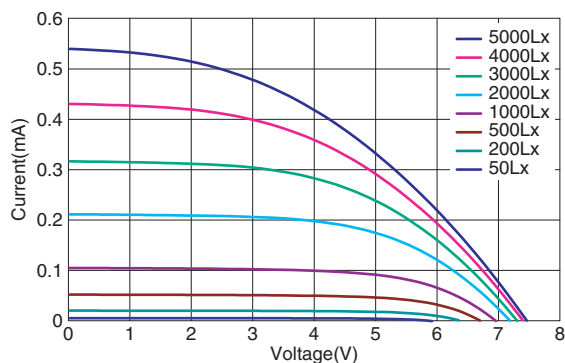
ELECTRICAL CHARACTERISTICS

Part No.	Operating voltage (V)	Operating current (μ A)typ.	Dimensions LxW (mm)	Dimensions T (mm)	Weight (g)
BCS4630B9	3.8	19	46×30	0.2	0.2

- Light source: Fluorescent 200Lx
- Because of product improvements, specifications are subject to change without notice.

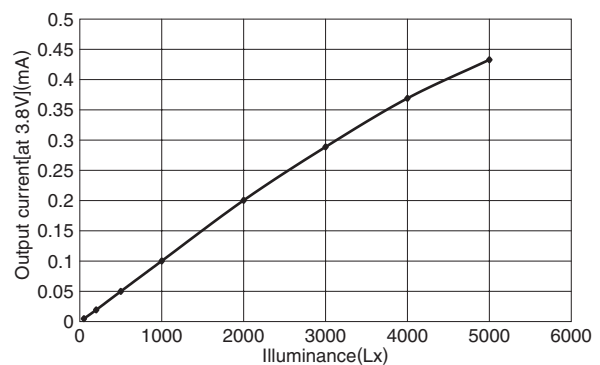
CURRENT vs. VOLTAGE CHARACTERISTICS

Under fluorescent



ILLUMINATION CHARACTERISTICS OF IV CHARACTERISTICS

Under fluorescent



Values in this catalogue are reference values, and do not guarantee the products' characteristics or specifications.

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