

**Mechanical data**

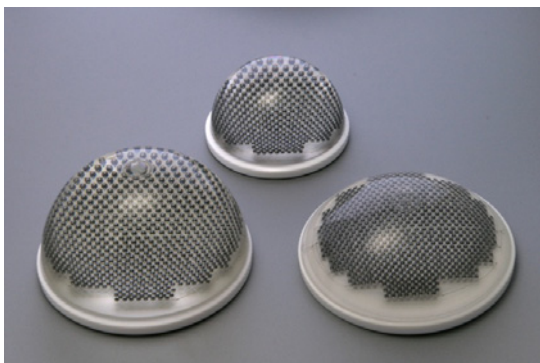
- Cell type Sphelar® cell
- Package Polycarbonate Resin or Acrylate Resin
- Size (mm)  $\phi$  75~100 x 32~56(H)

**Features**

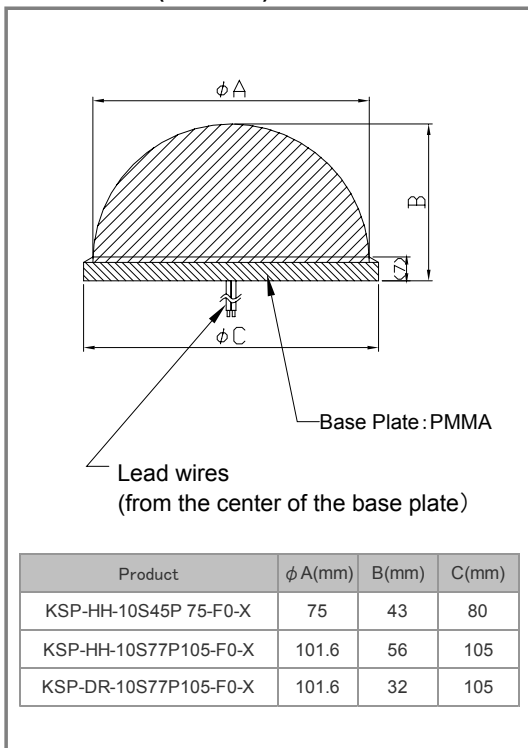
- 3-dimensional light trapping (Low directivity)
- Shock proof and corrosion resistant

**Applications**

- Energy harvesting for wireless sensor network (WSN)



**Dimensions (unit: mm)**



**Specifications**

\*Typical

Product	Pmax (mW)	Vpm (V)	Ipm (mA)	Size (mm)	Mass (g)	Package	Status
KSP-HH-10S45P 75-F0-X	230	4.6	50	see above	about 200	Polycarbonate Resin	DS
KSP-HH-10S77P105-F0-X	400	4.6	87		about 300	Acrylate Resin	
KSP-DR-10S77P105-F0-X	400	4.6	87		about 300		

Measurement condition : Irradiance 100mW/cm<sup>2</sup>, AM1.5 spectrum, Ta=25°C

\* Besides the listed, other prototypes with different voltages might be affordable. Please contact your nearest sales office or distributor.

\*\* Design, features and specifications of all products are subject to change without notice. Please contact your nearest Kyosemi sales office for the latest specifications prior to purchase and/or use.

**Contacts:**

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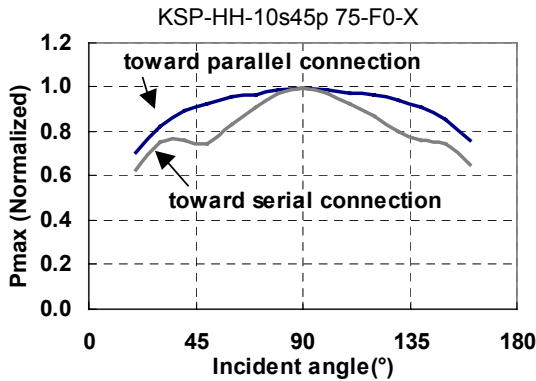
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Eniwa Operation: 385-31 Toiso, Eniwa-shi, Hokkaido 061-1405 Japan Tel: +81 123 34 3111 Fax: +81 123 34 2110

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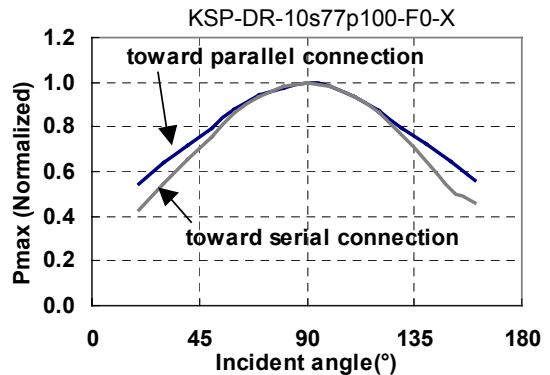
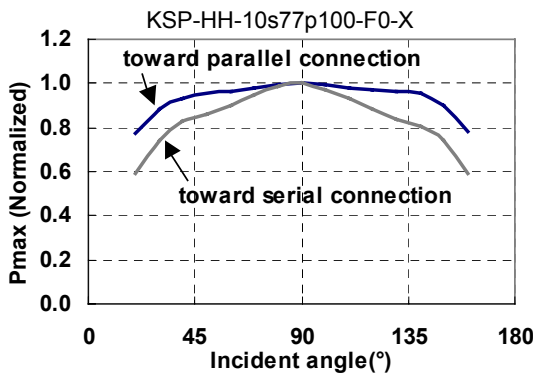
## Technical datasheet

Incident Angle Dependence [Values of Pmax are normalized by Pmax(90) value at incident angle = 90°]

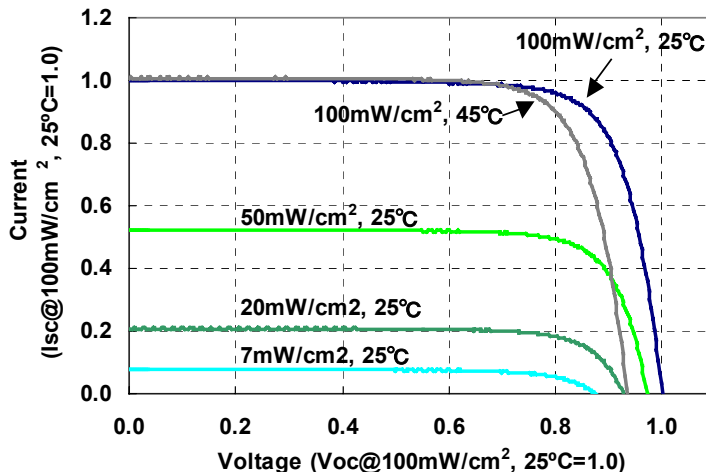


Measurement Condition

100mW/cm<sup>2</sup>, 25°C, AM1.5



### Typical I-V Curve



Aim of Brightness

- 100mW/cm<sup>2</sup>: Fine
- 50mW/cm<sup>2</sup>: Slightly Cloud (no sunshine)
- 20mW/cm<sup>2</sup>: Rain (no sunshine)
- 0.5mW/cm<sup>2</sup>: Office

Measurement Condition:

- 7~100mW/cm<sup>2</sup>, 25~45°C, AM1.5
- Without reflector

Specifications are subject to change without notice.