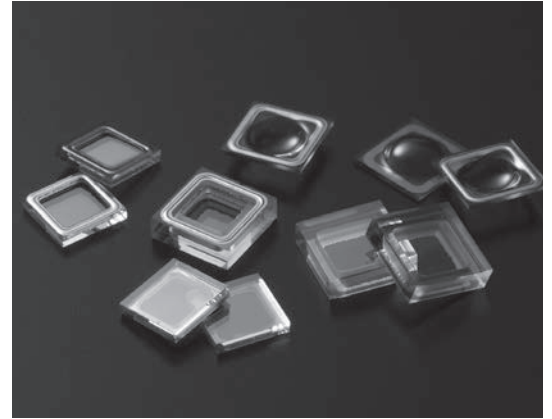


Lid with Sealing Material for UV-C LEDs

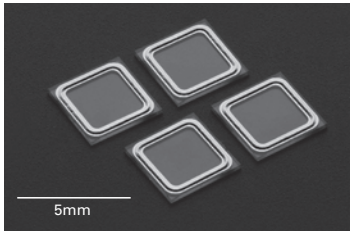
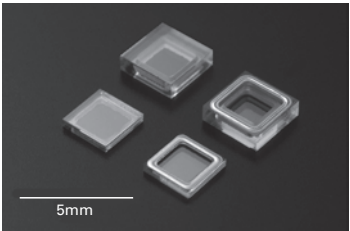
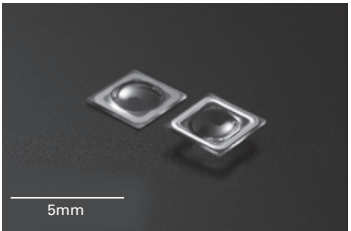
The glass lid uses glass with high transmittance in the UV-C wavelength range, while having materials (aluminum nitride, alumina) for bonding with similar thermal expansion coefficients. There are three types with the features of thinness, high-power, and light diffusion (world's highest level of extraction efficiency). We can propose the suitable optimal combination of glass lid and solder for UV-C LED based on specific requests.

Features

- The glass lid does not break with the solder joint because the coefficient of thermal expansion of the glass lid and material (AlN, alumina) are similar.
- 3 types are available (flat lid, square lid and domed lid).



Product Lineup and Characteristics

Product	Flat Lid	Square Lid	Domed Lid
Photo			
Glass	UV-C high-transmitting glass (BU-41)		
UV-C AR coating	Double-sided	Double-sided	Double-sided
Type	Thin type	High-power type	Light diffusion type
Light extraction efficiency	89%	92%	95%
Light distribution angle	100°	110°	120°
Features	<ul style="list-style-type: none"> ● Plate shape suitable for AlN cavity ● Ideal for thinning the entire package 	<ul style="list-style-type: none"> ● Contributes to simplification of the AlN package ● High light extraction efficiency 	<ul style="list-style-type: none"> ● Wider light distribution angle than square type ● World's highest light extraction efficiency ● Compatible with dome diameter of 2.4 to 60mm ● High productivity
	● Any metal solder can be formed depending on the reflow temperature. (300°C : AuSn solder, 250°C : SnAgCu solder)		