



LED Package

About LED Package

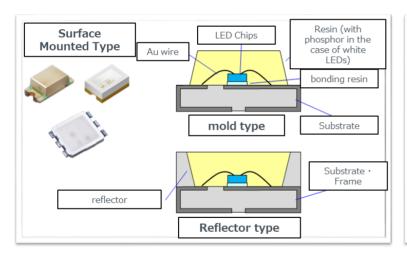
When using LEDs, the devices are rarely used as is and are usually packaged and supplied as well as other electronic components. This section describes the packaging of LEDs in common use.

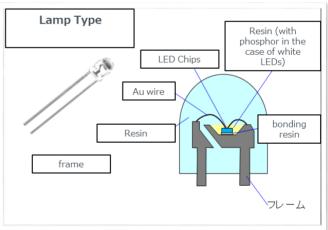
Purpose of LED Packaging

The main purposes of packaging LED devices are as follows;

- Protect LED devices (e.g. stress fracture, corrosion and migration caused by moisture, oxidation and sulfurization caused by corrosive gases)
- ·Facilitate user use (reflow and flow soldering).
- ·Control the direction of the light (The direction of the light is controlled by the shape of the lens or reflector structures).
- ·Create emission colors by combining with fluorescent materials (e.g.White).

Variety of LED Package





LED Package Application Note

Examples of Typical ROHM Package Types

| Туре | | Package Size | feature |
|----------------|---|---------------------|---|
| SML-P1 series | | 1.0×0.6 t=0.2 mm | Surface Mount Mold The world's thinnest LED package was developed for the first time in the world |
| SML-D1 series | | 1.6 × 0.8 t=0.55 mm | Surface Mount Mold 1608 size general-purpose product |
| SML-M1 series | | 2.0×1.25 t=0.8 mm | Surface Mounted Reflector Compact and high brightness |
| SMLVN6RGB | | 3.5 × 2.8 t=0.6 mm | Surface Mounted Reflector Frame High brightness 3 colors (RGB) |
| SLI-343 series | 1 | 3φ | Lamp |

Notes

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