

Learn about Meridian's lens and structural adhesives for optical bonding, ideal for sensors, active alignment, camera modules, and LIDAR with high performance.

The PHOTOBOND OB4210 from DELO is a transparent active alignment adhesive suitable for applications such as the alignment of lens systems and optics in matrix LEDs, microlens arrays, or ...

Learn how active alignment improves precision in optical assemblies. Explore UV-curable and dual-cure adhesives engineered for optoelectronic alignment.

Explore active alignment adhesives for optical components in unmanned vehicles, ensuring precise lens positioning and camera module alignment.

Trusted by global leaders in the assembly of high precision camera modules, automotive, E-mobility, consumer electronics, and photonics, Sadechaf delivers cost-competitive adhesive solutions tailored ...

With this method, now established in the automotive industry for manufacturing high-precision optical sensor systems such as ADAS cameras, image sensor data is actively read to ...

The material ensures accurate lens, component and fiber alignment, which is critical to signal integrity for high-speed data transmission. It can be used for TO-CAN pre-fix, lens, fiber, glass, and other ...

Dymax 9803 low shrinkage optical epoxy adhesive offers superior adhesion for common substrates used in camera modules and LiDAR assemblies, in active alignment, and other optical bonding applications.

The active alignment process precisely positions the camera's optical components to the image sensor (Figure 1) while an adhesive is used to fix the components in place.

Active alignment adhesives are used for precise, computer-controlled alignment in camera, sensor, optical, and optoelectronics components as illustrated below. The adhesive is dispensed, the ...

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