



LOCTITE® ABLESTIK NCA 01UV

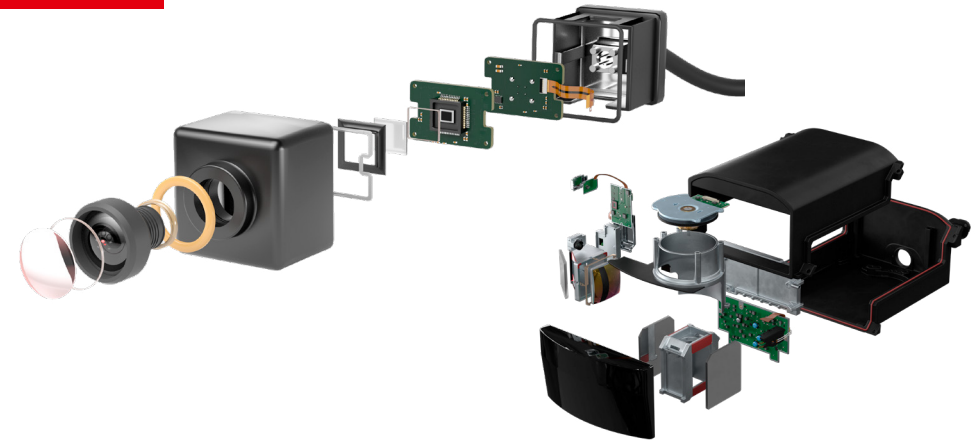
Revolutionary 1-step cure adhesive for high resolution ADAS cameras and lidars

1 CUSTOMER NEEDS

- Active alignment adhesive for high-resolution camera module allowing simple & fast processing
- Adhesion to both aluminum (Al) and PCB (FR4) with long-term high-reliability for automotive applications
- No fogging on the optical system
- Product needs to meet global product safety standards

2 HENKEL SOLUTIONS

- 1-step cure (UV LED cure only) active alignment adhesive, LOCTITE® ABLESTIK NCA 01UV, enables a simple and fast curing process
- Ultimate performance of material achieved by a 3-seconds exposure to UV LED light of adequate intensity, no thermal post-cure required and no cross-link after UV curing
- Specifically designed for automotive camera module assembly, ideal for bonding Al lens housing to FR4 PCB
- Low & consistent dimensional change of 0.4 % with no change in focus caused by adhesive shrinkage after curing
- Low VOC (no out-gassing of volatile organic compounds) chemistry is suitable for extreme non-fogging requirements within optical systems
- Fully EU REACH-compliant as free of SVHC, or any toxic substances

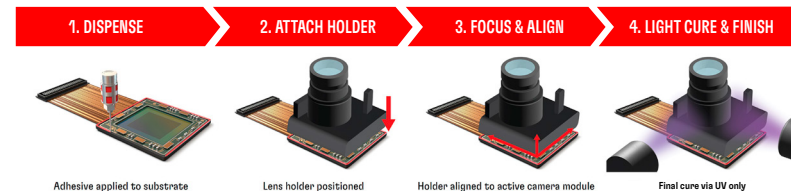


CAMERA / LIDAR

Traditional camera module assembly process



Camera module assembly process with 1-step cure adhesive



“Benefits of eliminating thermal cure include capital expenditure, operating and maintenance costs savings, and reduced manufacturing footprint and CO₂ emissions.”



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