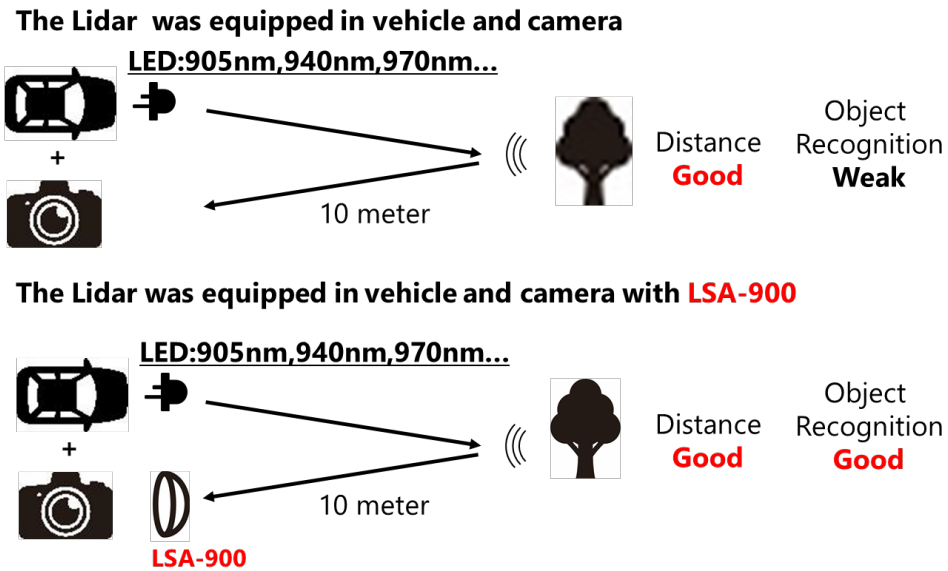
LSA-900 PROTOTYPE

– Visible light transmission and NIR 900nm band absorption glass LSA-900 –

1. Features

- 900nm -1000nm band Stop Filter, No absorption in the visible region
- LAS-900 has absorption peaks at 940 nm and 976nm.each as Optical Density are >1.5 and >3.0@2.5mmt
- Unlike optical thin films, the absorption characteristics of LSA-900 material do not create shifts in optical performance depending on the angle of incidence
- No absorption in the visible region. No effect on color tone. Can be easily replaced with current optical systems. Can be machined into lenses
- Optical performance
  - Refractive index(nd): 1.66
  - Abbe number(ν d): 53.5
  - Specific gravity: 3.70
- Potential applications include
  - Distance measurement: ToF system, 3D camera
  - Object detection: LiDAR (automatic driving), (independent) Robot
  - Biometrics: Face recognition, Iris recognition, Retina recognition

For example （Expected to be effective）



It is possible to use it as a precautionary measure to reduce the risk of sensing light unexpectedly affecting the imaging device.

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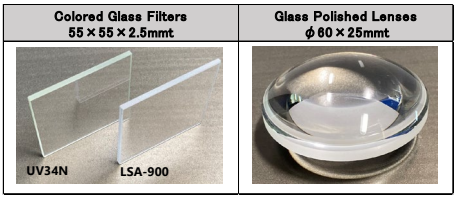
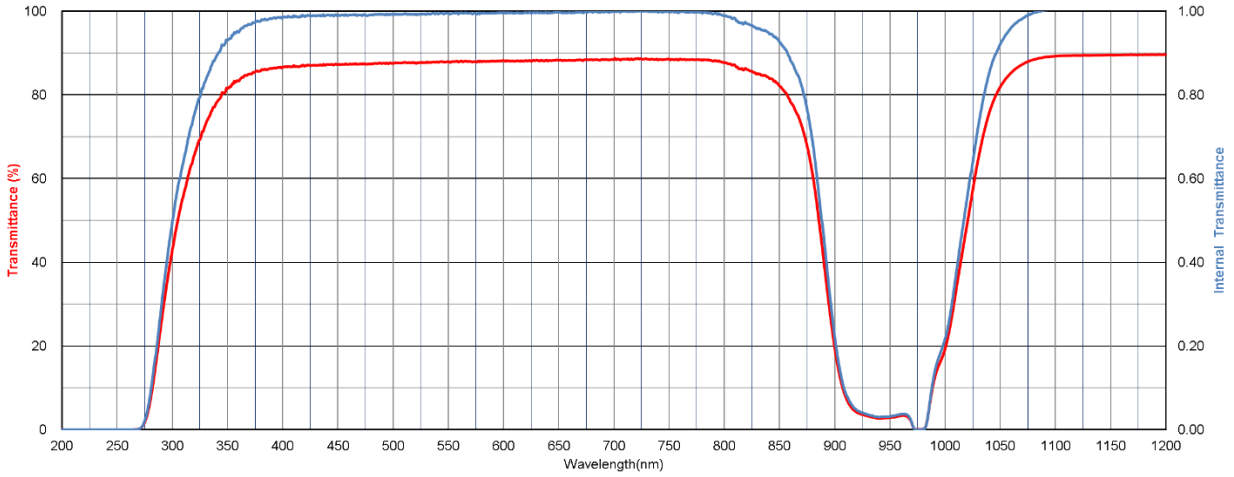
2. Spectral Transmittance

LSA-900 transmits in visible region and blocks 900nm – 1000nm region

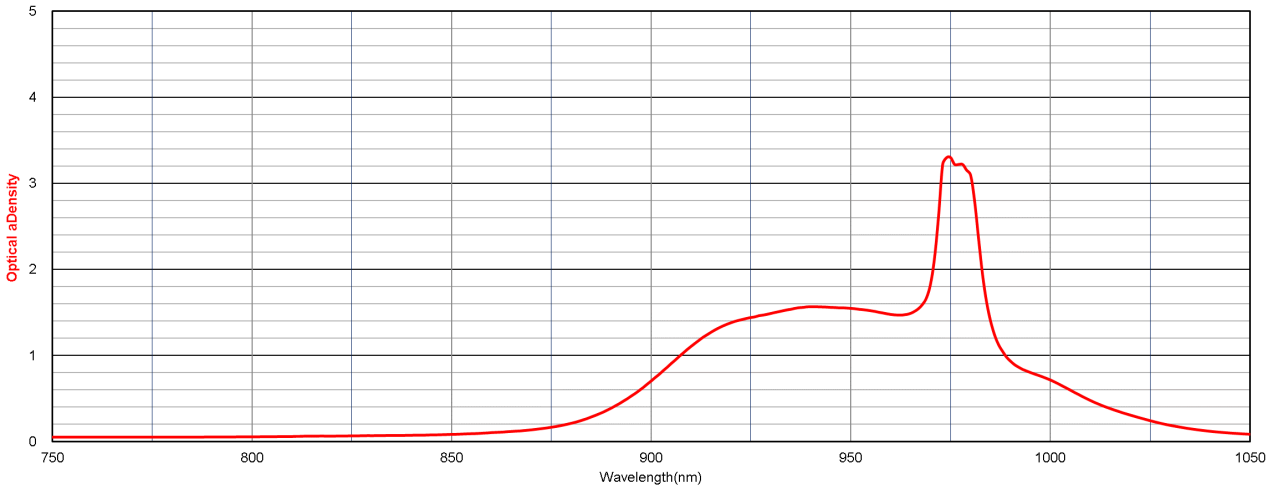
Standard Thickness: 2.50 mm (Customized thickness is available)



Transmittance (200 nm – 1200 nm)



Optical Density: OD (750nm – 1050nm)



3. Hazardous Substances

HOYA LAS-900 complies with RoHS Directive (2011/65/EU) and does not contain harmful substances, Lead, Cadmium, Arsenic

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