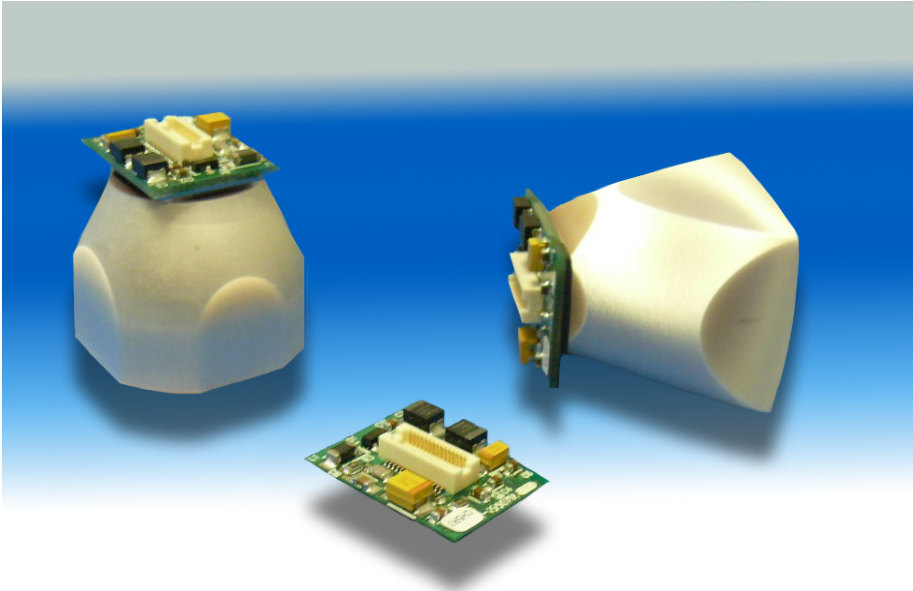
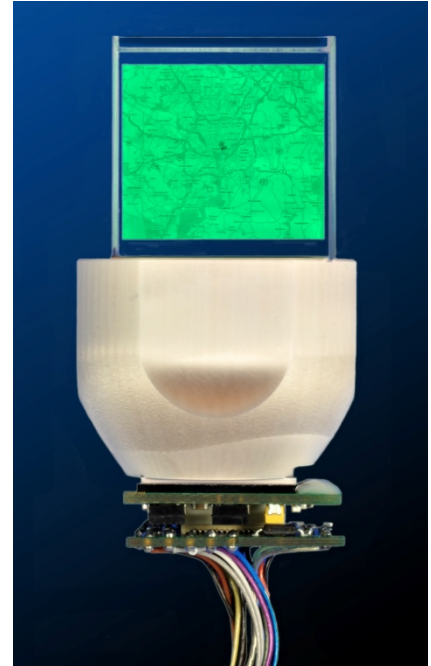


SCHOTT® Micro-Display and Sensor Bonding

Components and Sub-Assemblies for Imaging Applications



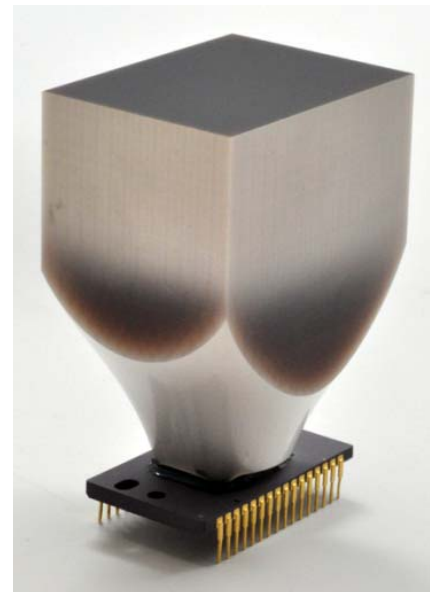
Micro-OLED courtesy of eMagin Corp. with Fiber Optic taper



Micro-OLED with Fiber Optic taper - beam splitter subassembly with 2x magnification

Performance Characteristics

- Optical bonding of Fiber Optic faceplates or tapers to Micro-OLED displays
- Provides design flexibility in order to magnify images in optical systems for near-eye or direct view applications
- Fiber Optic element size is comparable to OLED pixel size to maintain high-resolution imagery
- Images are brought to the top surface through the zero-depth window characteristics
- Customized sizes, formats and magnification ratios (typical magnification range may be up to a factor of 3)
- Glass materials provide inert and durable surface properties for compatibility with optical coatings and bonding materials
- Tapers and faceplates can be finished with convex or concave output surfaces for coupling into custom lens assemblies.
- Available in green or in color.



SCHOTT offers optical bonding of Fiber Optic faceplates and tapers to CCD or CMOS chips. Please contact us for more information.



Sample Applications

- MRI – Medical
- HUD – Field Technicians
- HUD – Surgeons
- Surgical Simulations



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Lighting and Imaging
SCHOTT North America, Inc.
122 Charlton Street
Southbridge, MA 01550
USA
Phone: +1 (508) 765-9744
Fax: +1 (508) 765-1299

lightingimaging@us.schott.com

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