

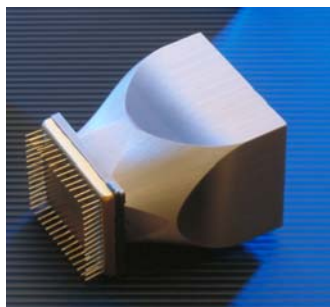
# Fused Fiber Optic Tapers

Image Minification or Magnification



## Performance Characteristics

SCHOTT's Tapers provide a method of magnifying or reducing an image with minimum distortion in image transfer applications. All tapers are fabricated to customer specific requirements and can be machined into configurations from round to round, square to square, round to square or rectangular. Sizes range up to 125 mm in diameter. Typical magnification ratios range up to 3:1. Our Tapers may also be bonded together in arrays of linear, square or rectangular shape. SCHOTT also has the technology to bond our fiber optics to sensors. Applications include Image Magnification or Minification, Image Coupling to CCD or CMOS Devices, Medical & Dental Radiology, Intensified Video Imaging, Biological Imaging, Displays and Avionics.

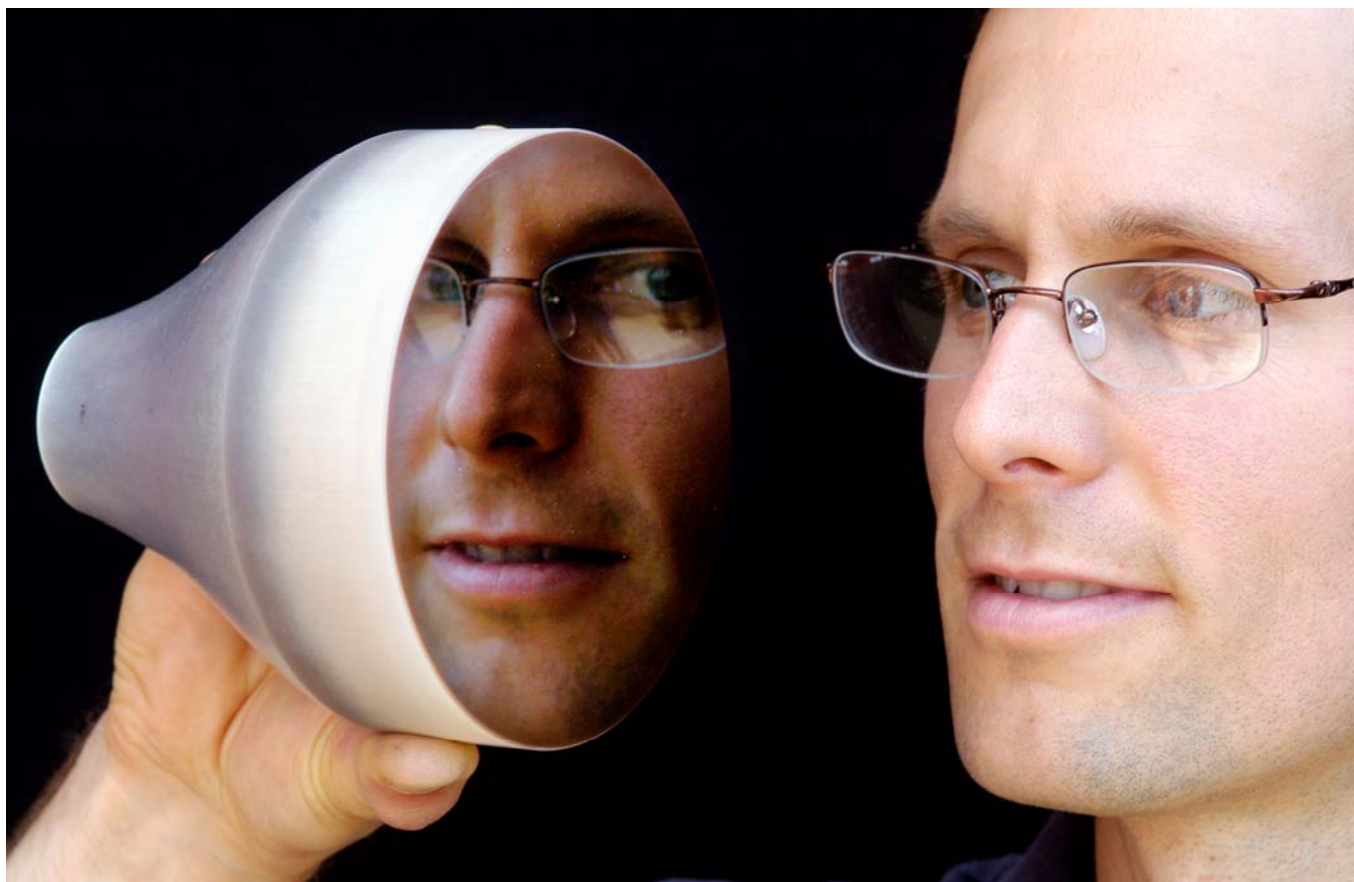


Please ask us on our "Package Solutions"  
Bonding to CCD/CMOS sensors!

**SCHOTT**  
glass made of ideas

## Typical Taper Specifications

Glass Type	SCHOTT 24 Glass
Element Size ( $\mu\text{m}$ )	6, 10, 18, 25
Numerical Aperture – small end	1.0
Stray Light Control (EMA)	Available with or without EMA
Coefficient of Thermal Expansion ( $\times 10^{-7} / ^\circ\text{C}$ )	68
Phosphor Compatible	Yes



### For more information please contact

Lighting and Imaging  
**SCHOTT North America, Inc.**  
122 Charlton Street  
Southbridge, MA 01550

Phone: (508) 765 - 9744  
Fax: (508) 765 - 1299  
lightingimaging@us.schott.com  
www.us.schott.com/lightingimaging

**All specifications are subject to change without prior notice.** This datasheet or any extracts thereof may only be used in other publications with express permission of SCHOTT.

© SCHOTT North America, Inc.

**SCHOTT**  
glass made of ideas