

## Fused Fiber Optic Tapers

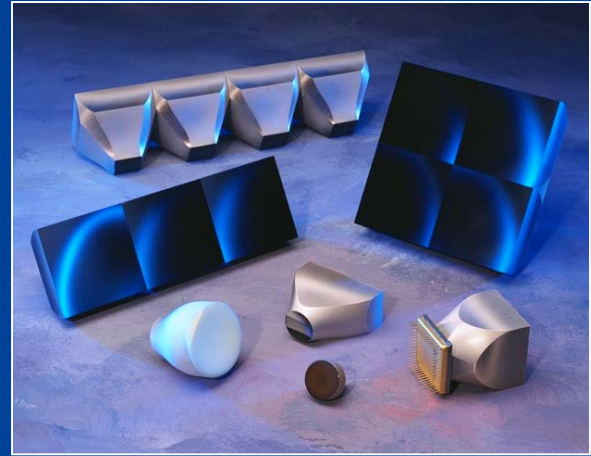
Image Minification or Magnification



## Fused Fiber Optic Tapers For Image Magnification and Minification

### 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 75 mm in diameter. Typical magnification ratios range up to 3:1. Typical applications include Image Magnification or Minification, Image Coupling to CCD or CMOS Devices, Medical & Dental Radiology, Intensified Video Imaging, Biological Imaging, Displays and Avionics.



### Typical Taper Specifications:

Glass Type	SCHOTT 24 Glass
Element Size (µm)	6, 10, 18, 25
Numerical Aperture – small end	1.0
Stray Light Control (EMA)	Available with or without EMA
Collimated Transmission White Light for Base Material:	
3mm thick	85%
10mm thick	44%
Coefficient of Thermal Expansion (x10 <sup>-7</sup> / °C)	68
Phosphor Compatible	Yes

\* SCHOTT continually upgrades its product and specifications; specifications are subject to change without notice

Fiber Optics  
SCHOTT North America, Inc.  
122 Charlton Street  
Southbridge, MA 01550  
Phone: (508) 765 - 9744  
Fax: (508) 765 - 1680  
E-mail: [fiberoptics.southbridge@us.schott.com](mailto:fiberoptics.southbridge@us.schott.com)  
[www.us.schott.com/fiberoptics](http://www.us.schott.com/fiberoptics)

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