

Fused Fiber Optic Tapers

Image Minification or Magnification

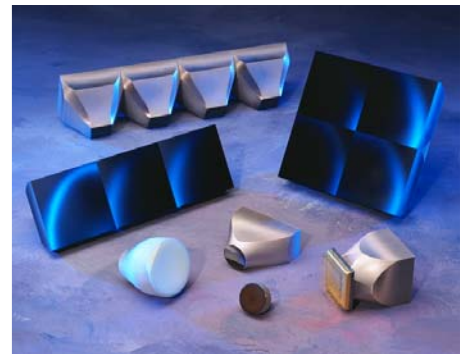


Performance Characteristics

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 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 10mm thick	85% 44%
Coefficient of Thermal Expansion (x10 ⁻⁷ / °C)	68
Phosphor Compatible	Yes



For more information please contact

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