

SCHOTT® Fused Imaging Fiber Optic Tapers

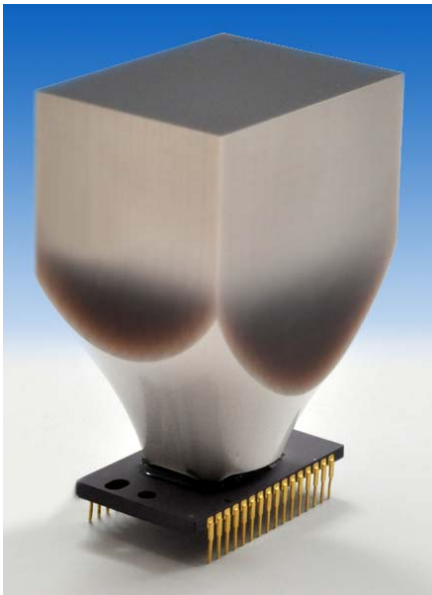


Performance Characteristics

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.

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
Coefficient of Thermal Expansion (x10 ⁻⁷ / °C)	68
Phosphor Compatible	Yes



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

For more information please contact

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 glass made of ideas