

Fiber Optic Taper For 25mm to 2/3" Sensor



Stock #55-141 1 In Stock

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S\$3,479^{.00}

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Volume Pricing	
Qty 1-4	S\$3,479.00 each
Qty 5-24	S\$3,108.00 each
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SPECIFICATIONS

General

70 / 30

Core/ Clad Ratio:

Physical & Mechanical Properties

±0.5, Large End

Diameter Tolerance (mm):

Height (mm):

25.00	
	Diameter of Large End (mm):
27.00	
	Size Ratio:
25:2/3" CCD	
	Size of Small End (mm):
8.8 x6.6	
	Thickness Tolerance (mm):
±0.1	
	Dimensional Tolerance (mm):
±0.1	
Optical Properties	
	Distortion (%):
3.00	
	Substrate: ☐
Schott 24 Glass with EMA	
	Numerical Aperture NA:
1.00	
	Resolution:
102 lp/mm	
	Surface Quality:
30-20	
	Resolving Power (μm):
6.00	
Material Properties	
	Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C):
6.8	
Environmental & Durability Factors	
	Operating Temperature (°C):
-10 to +300	
Regulatory Compliance	
	Certificate of Conformance:
View	

PRODUCT DETAILS

- Coherent Arrangement of Fibers
- Made with EMAFibers to Absorb Light
- Round-to-Round or Round-to-Rectangular Tapers Types Available

Fiber Optic Tapers utilize a coherent fiber optic plate that transmits either a magnified or reduced image from its input surface to its output surface. These low distortion tapers are made with EMAFibers to absorb light and are optimized for 1/2" or 2/3" sensor chip sizes. Magnification is a ratio of the diameters of the large and small ends of the tapers. Typical applications include image magnification or reduction, sensor coupling, fluoroscopy, and light sensors.

Fiber Optic Faceplates transmit images from input surface to output surface using coherent fibers. Common uses include CRT/LCD displays, sensor coupling, X-ray imaging and image intensification. All tapers and faceplates are suitable for visible and NIR applications and feature beveled edges.