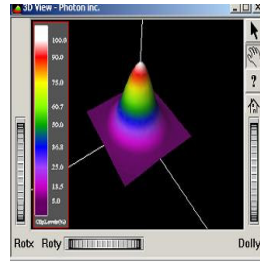
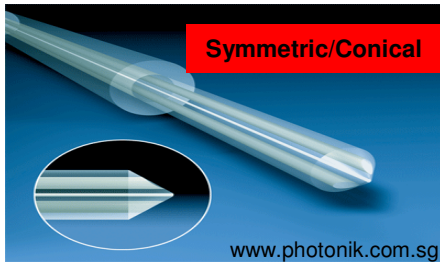
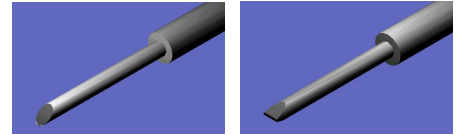


LENSED/TAPERED FIBER

- Telecom Singlemode or Multimode Fiber
- Speciality Fiber(PM, Large Core, Fiber Grating...)



Angled Cleaved, Cylindrical/Wedged Available Upon Request



HIGHLIGHTS OF LENSED FIBER TECHNOLOGY:

Lensed fibers are rapidly becoming the method of choice for interfacing optical fiber to active devices and waveguides. Lensing technology provides highly efficient couplings while consuming a fraction of the space and costs of bulk optic alternatives.

Our special shaping technology enables high-end lenses to be manufactured in volume at low costs. The laser quickly shapes the fiber tip into a precise geometry using an optimized numerical solution based on the targeted far-field profile. In-line far-field monitoring ensures repeatability and high coupling efficiency.

PHOTONIK's advanced fiber assembly platform allows OEMs to consolidate suppliers of metalized fiber, hermetic sleeves, AR coatings, Lensing, Fiber Bragg Gratings and connectorization into a single source for the entire pigtail assembly.

SPECIAL PRODUCT FEATURES:

Increased Coupling Efficiency: Lensed fiber offers precise geometry and surface finish compared to conventional mechanical/fusion methods

Increased Performance: Precision laser machining offers optimization around focal length, spot size and far-field data

Increased Reliability: Far-field feedback loop eliminates rework and inspections

Increased Reproducibility and Flexibility: Lensing process provides optimized geometry created by numerical solution

Increased Value: High yields enable packaging of customized total solutions

ORDERING INFORMATION:

The following information (if any, whatever is applicable to modules) is kindly recommended to provide us prior to quotation:

Fiber Type:	SMF-28(9/125), 50/125, 62.5/125...
Jacket, Protection Type:	Ø250 µm bare fiber, Ø900µm tube(typ.), Ø3mm jacket...
Fiber Pigtail Length (mm):	1000±10mm typ; or otherwise specified
Connector Type:	FC/UPC, FCAPC, SC/UPC, SC/APC, LC...
Strip-Off Length (mm):	10±1mm typ; or otherwise specified
Metallization Material/Thickness or Alloy:	Option: Au/Ni...thickness: 2 µm
V-Groove, Ferrule Accessories:	Options: Silica v-groove; Kovar ferrule...
Tapering Angle (degree):	30 ~ 170
Operation Wavelength Range (nm):	1200 ~ 1700 (typical for telecom fiber)
Radius of Lensed Fiber-End Surface (µm): :	5 ~ 50(µm):
Focal Length/Working Distance (µm):	1 ~ 500 typ.
Spot Size (Beam Waist) (µm):	1 ~ 5 typ.
End Surface Coating:	Option: AR or gold...

Contact Information:

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