Lensed Fiber

Product Overview

Lensed fiber is produced using different fine lens tip shaping techniques,

The surface is treated by planar or spherical finishing, optionally the tip was coated with thin film layer.

Fiber Type: SM/MM/PM Fiber

Product Application: DFB laser diode fiber tail coupling, fiber to waveguide coupling, medical and biological illumination applications.

Lensed Fiber Type	Real Product Picture	Parameter	Application
Pinnacle Lensed Fiber 		Pinnacle Tip Conical Angle 60~120° Output Doughnut Far Field	SM/MM Fiber Beam expander Endoscope illumination
Conical Lensed Fiber 		Spherical Tip Len Radius: 8um ≤ R ≤ 12um Conical Angle 60~120° Output Gauss Far Field	DFB laser fiber coupling Work Distance: ~10um DFB Chip Far Field 15~40°(FWHM) WDM In/out fiber tail
Biconical Lensed Fiber 		Tapper Angle: 60~120° Output Ellipse FAR Field	Fiber Beam expander Endoscope illumination
Rectangular Lens Fiber 		Tapper Angle: 60~120° Output rectangular far field	Remove cladding light from square core MM fiber
Wedge Lensed Fiber 		Spherical Tip 8° Angle cleaving Len Radius: 8um ≤ R ≤ 12um Conical Angle 60~120° Output Gauss Far Field	DFB laser chip optical fiber coupling Low reflection to chip facet Work Distance: ~8um DFB Chip Far Field 15~35°(FWHM)