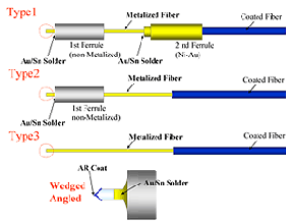


Optical Fibre Processing



Lensed Fibres

Perfect for coupling fibre to LD's and PD's for various applications such as DFB Lasers, pump lasers or receivers. Our high quality speciality pigtailed will improve coupling efficiency, increase product performance, and save you costs. We offer total solution for photonic packaging with our completed fibre to chip assemblies

Features

- High precision fibre-end shaping
- Multiple lens shapes available for any application
- High quality AR coating for various wavelengths
- Kovar ferrules for welding and hermetic sealing
- Low insertion loss terminations
- Ni/Au Metallisation for exceptional solderability

Applications

- Perfect for coupling fibre to LD's and PD's for various applications such as DFB Lasers, pump lasers or receivers. Our high quality speciality pigtailed will improve coupling efficiency, increase product performance, and save costs
- We offer total solution for photonic packaging with our completed fibre to chip assemblies

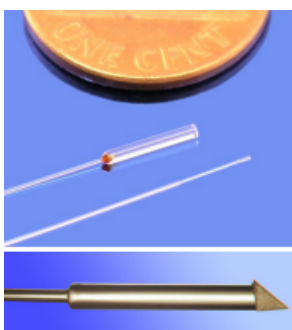
Data sheet

Manufacturer: Seikoh Giken

Product Code:

Product SKU: 53839000004602099

Product SKU: Lensed Fibre



Miniature OCT Probe

Agiltron's miniature OCT fibre probe is the ideal optical imaging solution offering high resolution and high sensitivity in a miniature format. Based on Agiltron's patented beam shaping technology, a high quality lens is uniquely formed directly at the fibre tip that focuses to a small beam spot. The OCT fibre probe features optical efficiency that is more than five times greater than a fibre coupled to a conventional GRIN lens collimator. Agiltron's fused lens technology eliminates the need for fibre-to-lens

alignment and can be made in small diameters compatible with all existing fibres.

Custom-built side-firing probes are also available.

Features

- Low Loss
- High Optical Efficiency
- Low Internal Reflection
- Low Distortion
- Low Cost
- Patented Technology

Applications

- Imaging, OCT
- Fibre Collimator
- Optical System
- Optical Coupling

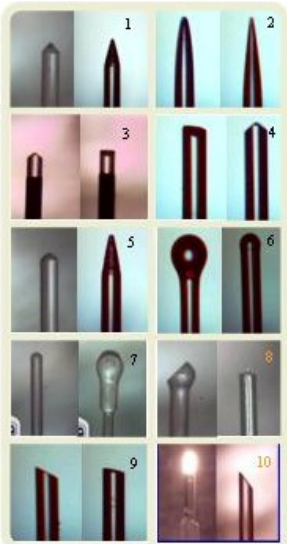
Data sheet

Manufacturer: Agiltron

Product Code: OCTC-

Product SKU: 53839000000923133

Product SKU: OCT Fibre Probe, miniature, 600~1800nm



Micro-Lensed Optical Fibre

Lensed fibre is produced using different fine lens tip shaping techniques. Each micro-lens characterised using:

- Far optical field and near optical field analysis
- Return loss
- Working distance measurements and geometrical measurements
- Shape of the lens (radius of curvature) - The shape of the lens is controlled in one or both planes to match FWHM of the source - can be set between 3 to 500 μm .

Micro-lensed fibre can be characterised at different wavelengths: 405, 677, 860, 980, 1300 -2000 nm. (Far optical field; Optional: Near optical field, working distance scan; back-reflection)

Features

- Single-mode, PM, multi-mode, double-clad, PCF, POF, IR fibres with/without optical connectors
- Shape of the fibre end:
 - cone
 - tapered cone
 - wedge
 - angled tip wedge
 - cone with flat top

- ball
- ball with large working distance
- angled ball with large working distance and integrated metal reflector
- angle polished, angle polished with metal reflector
- Fibre length: 0.1-3.0 m

[Data sheet](#)

Manufacturer: WT Technology

Product Code: CL-5

Product SKU: 53839000002154071

Product SKU: Lensed Fibre, tapered cone