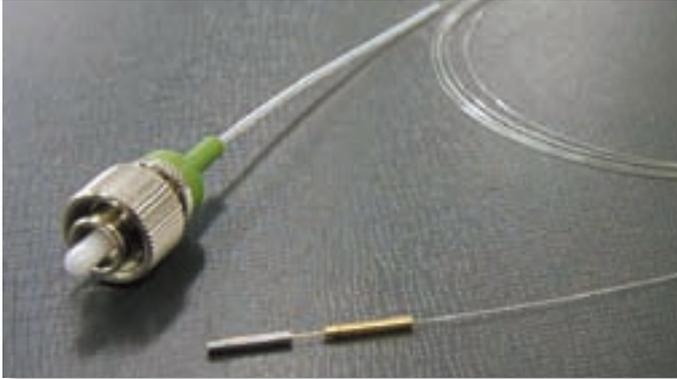


[Lensed Fiber Assembly]

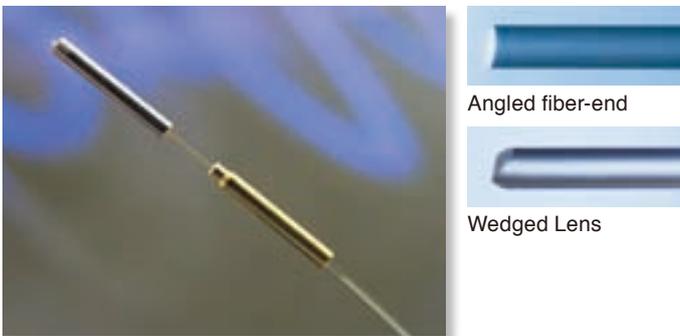
Application:

- Perfect for coupling fiber to LD's and PD's for various applications such as DFB Lasers, pump lasers or receivers. Our high quality specialty pigtailed will improve coupling efficiency, increase product performance, and save you costs

- We offer total solution for photonic packaging with our completed fiber to chip assemblies



FC/APC Wedged Fiber Assembly For 980nm LD Coupling



Welding and hermetic ferrules

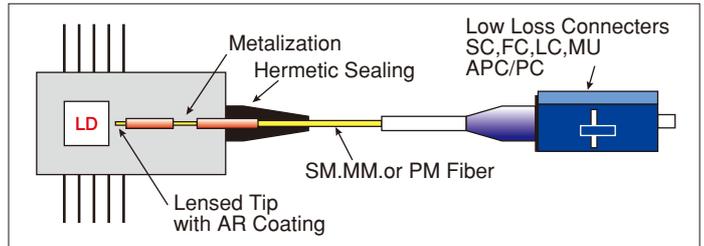
Key Feature:

- High precision fiber-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 Metalization for exceptional solderability

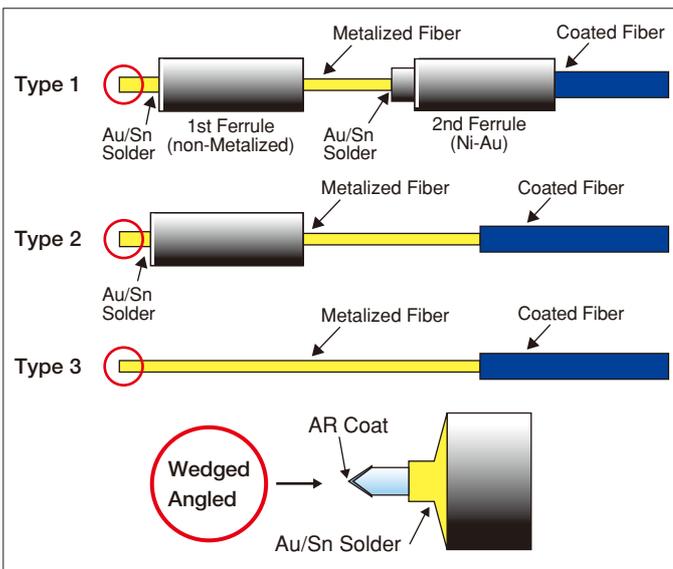
Options

Fiber to the chip assemblies may include:

- Fiber end-shaping
- AR coating
- Bare fiber metalization
- Hermetic and welding ferrules
- Low loss connector
- Singlemode, Multimode, and Polarization Maintaining Fiber



Basic Configuration



AR Coating :

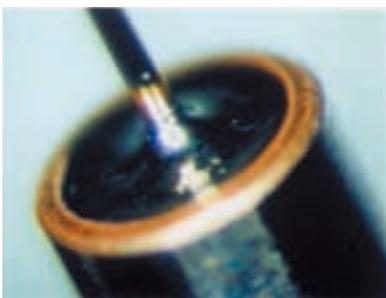
- Ion assisted deposition
- Low reflection
- Reflection ratio less than 0.3%, typically 0.1%
- High environmental stability
- Various wavelengths available
980nm, 1310nm, 1480nm, 1550nm
- Single or broadband available

Metalization :

- Sputtering or plating process
- Ni based Au plating or sputtering
- High level of hermeticity and pull strength

Specifications

Fiber Tip Shape	Wedge	Angle
Fiber Type	SMF28, HI1060, PANDA, MMF	
Fiber Buffer O.D.	250µm, 900µm	
Taper Angle	90 degree, 110 degree	0, 8, 45 deg
Lens Radius	3-10µm	N/A
Metalization	Ni / Au	
Soldering & Hermeticity	Au/Sn $\leq 1 \times 10^{-10} \text{ Pa.m}^3/\text{sec}$ $\leq 1 \times 10^{-9} \text{ atm.cc/sec}$	
AR Coating	980, 1310, 1480, 1550± 20nm Available broadband coating Reflection Ratio $\leq 0.3\%$	



Soldering