Lensed Fiber (LF Series)

Rev 11B

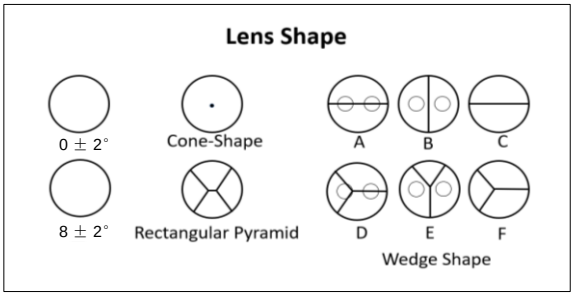
Description

A micro lens was formed at the end of fiber to couple with active chips in LD and PD modules. Conical and wedge lensed fiber are both available, other shapes can be customized. And AFR can provide one stop service for fiber tail assembly, including lensed fiber, fiber metallization, AR-coating, feedthrough soldering, fiber connectorization, etc.

Specifications

Parameter	Unit	Value
AR Coating Bandwidth	nm	Center Wavelength ± 30
Storage Condition	℃	≤ 35 °C, 40 - 70 % RH

Package Dimensions



Ordering Information

LF-①-②-③-④-⑤-⑥-⑦-⑧-⑨-⑩

①: Lens Shape

CS - Cone-Shape	WSC - Wedge - Shape C
0 - 0 ± 2°	WSD - Wedge - Shape D
8 - 8 ± 2°	WSE - Wedge - Shape E
WSA - Wedge - Shape A	WSF - Wedge - Shape F
WSB - Wedge - Shape B	RP - Rectangular pyramid

②: Polished Angle

90 - 90 ± 10°

S - Specify

③: Output Beam Waist Diameter

2 - 2 μm

2.5 - 2.5 μm

3 - 3 μm

S - Specify

④: AR Coating Center Wavelength

1310 - 1310 nm

1550 - 1550 nm

S - Specify

⑤: AR Coating Reflection

0.1 - 0.1%

0.2 - 0.2%

S - Specify

⑥: Stripping Length

5 ± 0.5 mm

10 ± 0.5 mm

S - Specify

⑦: Metallization

M - Metallization

N - None

⑧: Fiber Length

1 - Length ≥ 1 m

1.5 - Length ≥ 1.5 m

S - Specify

⑨: Fiber Type

F - SMF-28 Fiber

P - PM 1550 Panda Fiber

S - Specify

⑩: Connector Type

FU - FC/UPC	LU - LC/UPC
FA - FC/APC	LA - LC/APC
SU - SC/UPC	N - None
SA - SC/APC	S - Specify