



Lensed Fiber (LF Series)

REV 11

Description

A micro lens was formed at the end of fiber to couple with active chips in LD and PD modules. Cylindrical and spherical 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, FBG, feedthrough soldering, fiber connectorization, etc.

Specifications

Parameter	Unit	Cylindrical	Spherical
Stripping length	mm		≥5
Taper angle	degree		60-140
Lens radius	μm		4~14
Fiber type		SMF, PMF, MMF, Special fiber	
Fiber length tolerance	%		± 10 or specify
Connector type		FC, SC, LC etc.	
Storage temperature	°C		-40 to +85

Options:

- ~ Tight tube, loose tube or bare fiber type
- ~ Metallization
- ~ AR coating
- ~ Single or dual metal ferrule soldering

Ordering Information

LF-①-②-③-④-⑤-⑥

①: Wavelength

- 3 - 1310 nm
- 4 - 1400 nm
- 5 - 1550 nm
- 6 - 1600 nm
- S - Specify

②: Fiber Type

- F - SMF-28 fiber
- H - HI 1060 fiber
- P - PM 1550 fiber
- S - Specify

③: Key Width (for FC type)

- R - 2.02 mm
- N - None

④: Connector Type

- 1 - FC/UPC
- 2 - FC/APC
- 3 - SC/UPC
- 4 - SC/APC
- 5 - LC/UPC
- 6 - LC/APC
- N - None
- S - Specify

⑤: Fiber Jacket

- B - 250 μm bare fiber
- T - 900 μm tight buffer
- F - 400μm bare fiber
- S - Specify

⑥: Ferrule Soldering

- S - Single metal ferrule soldering
- D - Dual metal ferrule soldering
- N - None

日本デバイス株式会社 E-mail sales@j-device.comwww.j-device.com

Tel 03-6262-3424 Fax 03-6800-5883