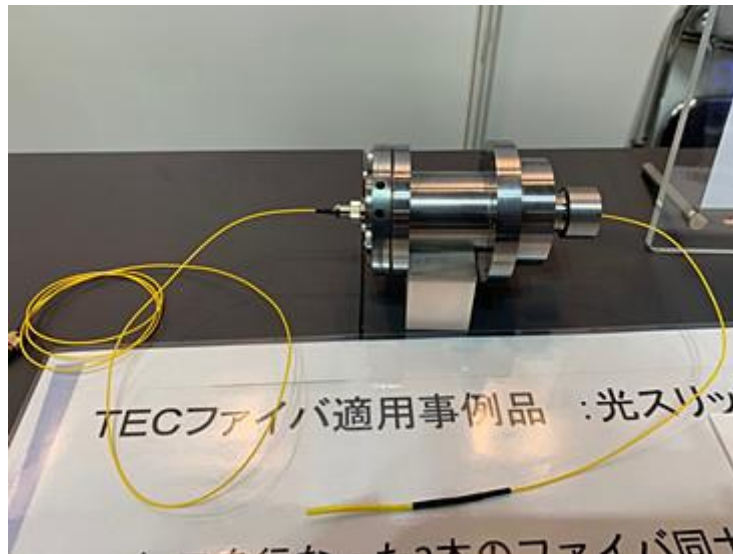


Thermal Diffusion Expansion Fiber

Core Custom Processing, Core Diameter 20um



● Product Description

NIR-TEC-30-9-SA TEC (Thermally-diffused Expanded Core Fiber) fiber technology, with the mode field diameter at the end of the thermally-expanded fiber core. This can be used in commercial SI-SMF (Single-Mode Fiber). The mode field diameter increases by one or three times at the fiber end, altering the refractive index distribution and reducing the numerical aperture. The larger the axial and gap displacement tolerances, the smaller the coupling loss. Small variations in cladding diameter can be compensated by inserting a metal sleeve and installing a connector (as shown in the figure below).

● Part Number

NIR-TEC-20-9-SA

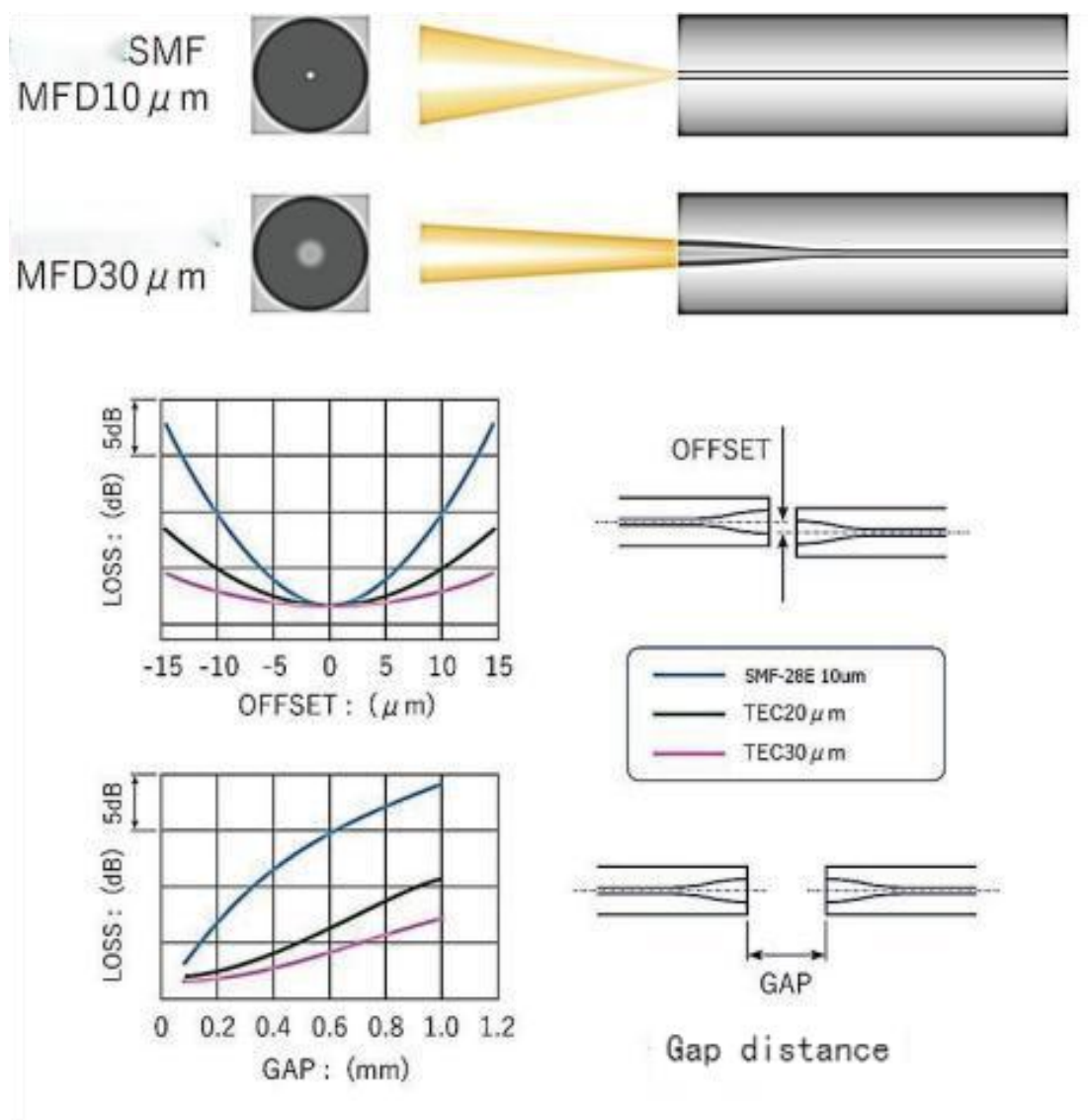
● Product features

High optical surface quality、 High control precision、 Low insertion loss

● Application area

Silicon photonics integration technology、 Optical waveguide coupling、
 Optical equipment manufacturing、 Testing tools

Product structure



Ordering info

NIR-TEC- ☆ - △ -XX

☆: Thermally Diffused Expanded Core Fiber

30: 30um

20: 20um

△: Loose Tube

B: Bare Fiber

9: 900um Loose Tube

20: 2mm Loose Tube

30: 2mm Loose Tube

XX: Fiber and Connector Type

SA=SMF-28E+ FC/APC

SP=SMF-28E+ FC/PC

PA=PMFiber+ FC/APC

PP=PMFiber+ FC/PC