

## SPECIALTY OPTICAL FIBER

# IXF-SM-780-125-014

## Single Mode Fiber

The IXF-SM family regroups singlemode fibers designed for operation from UV to NIR wavelengths. Available with different cladding diameter, numerical aperture, and coating material, a wide range of singlemode fibers are available.

The IXF-SM-780-125-014 is designed for low loss operation between 780 and 1200 nm, a matching PM fiber is available.



### Benefits & Features

- 780 - 1200 nm operating wavelength range
- Low loss
- Matching PM fiber available
- Other coatings available upon request

### Applications

- Diode & modulators pigtailed

### Related Products

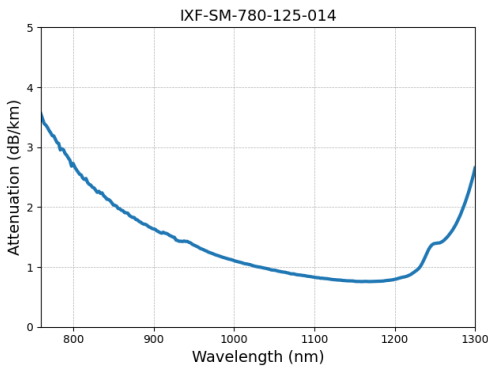
- IXF-PMF-780-125-P-012 Matching PM fiber

### Parameters

Cutoff wavelength (nm)	720 ± 50
Attenuation @780 nm (dB/km)	< 4
Attenuation @850 nm (dB/km)	< 3
Mode field diameter @780 nm (µm)	4.7 ± 0.5
Mode field diameter @850 nm (µm)	5.1 ± 0.5
Numerical aperture	0.14 ± 0.01
Core/Clad concentricity (µm)	< 0.75
Cladding diameter (µm)	125 ± 1
Coating diameter (µm)	245 ± 15
Proof test level (kpsi)	100

### Design parameters

Coating material	Dual acrylate
Operating temperature range (°C)	-60 to +85



Typical attenuation spectrum of the IXF-SM-780-125-014 fiber.

Exail reserves the right to change, at any time and without notice, the specifications, design, function or form of its products described herein.

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