

# IXF-NDF-PM-3-125 TECHNICAL SPECIFICATIONS

## Single Clad PM Neodymium Doped fiber

### Geometrical & mechanical Parameters

Core diameter	$3 \pm 0.5 \mu\text{m}$
Cladding diameter	$125 \pm 2 \mu\text{m}$
Cladding shape	Circular
Coating diameter	$245 \pm 15 \mu\text{m}$
Proof test level	100 kpsi

### Optical Parameters

Core Numerical Aperture	$0.23 \pm 0.03$
Mode Field Diameter	$3 \pm 0.5 \mu\text{m} @ 920 \text{ nm}$
Cutoff wavelength	$< 1000 \text{ nm}$
Core absorption	$15 \pm 5 \text{ dB/m} @ 804 \text{ nm}$
Birefringence	$> 2.10^{-4}$

### Additional information

Photosensitive fiber with Germanium co-doped core composition
Panda PM design

*Specifications are subject to change without notice*