

# IXF-NDF-PM-3-125-HD 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	$0.26 \pm 0.03$
Mode Field Diameter	$3 \pm 0.5 \mu\text{m}$ @ 920 nm
Cutoff wavelength	< 1000 nm
Core absorption	$80 \pm 30 \text{ dB/m}$ @ 804 nm
Birefringence	$> 2 \cdot 10^{-4}$

### Additional information

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

*Specifications are subject to change without notice*