

ND 103-PM

Nd Doped Single Clad Fiber

Coractive's ND 103-PM Nd-doped single clad PM fiber features high efficiency that make this product the ideal solution for the design of fiber lasers and optical amplifiers in a broad range of applications.

Features & Benefits

- Matched to PM980 type fibers
- Low background losses
- High quantum conversion efficiency lowers pump power requirements, reducing overall system costs

Applications

- Pulsed lasers and amplifiers
- Seed lasers
- Frequency conversion
- Scientific/research

Specifications

Optical

Background Loss @1060 nm (dB/km)	≤ 120
Birefringence (x10E-04)	≥ 2
Core Absorption @ 805 nm (dB/m)	≥ 40
Cutoff Wavelength (nm)	700 ± 50
Numerical Aperture - Core	0.14 ± 0.02

Geometrical & Mechanical

Cladding diameter (μm)	125 ± 2
Coating Diameter (μm)	250 ± 15
Core Diameter (μm)	4 ± 1
Core Ovality (%)	≤ 3
Proof Test (kpsi)	≥ 100

Environmental

Storage Temperature ($^{\circ}\text{C}$)	-40 to $+85$
--	----------------