

## Neodymium Doped Fiber

## Product Information

Issue Date: 2004/5/26

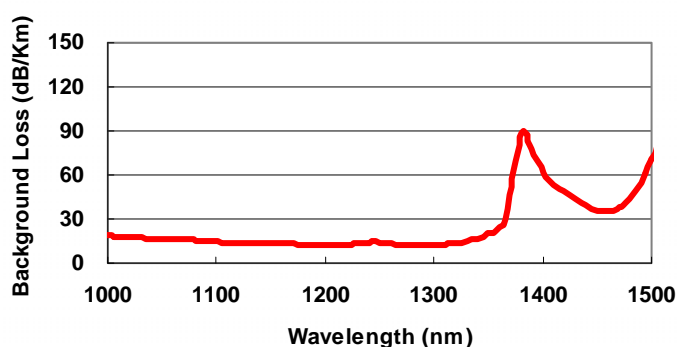
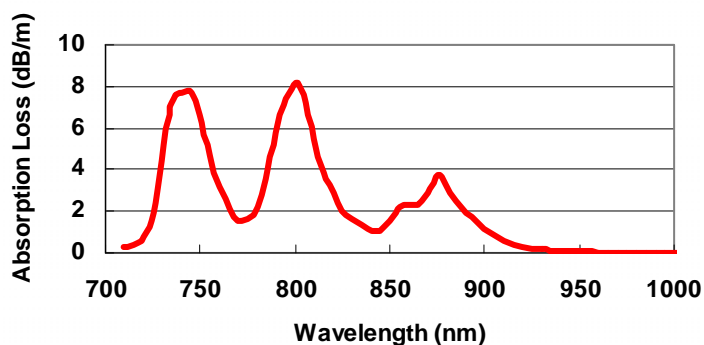
### INTRODUCTION

Prime Optical Fiber Corporation (POFC) develops its own process to produce high-quality Neodymium Doped Fiber (NDF) for fiber laser applications. It is ideally pumped with low-cost 780- 830 nm pump laser diodes, and the output wavelength is typically near 1064-1088nm.

### SPECIFICATIONS

<i>Product Name</i>	<i>NDFH0890</i>
Core composition	Si /Ge /Al /Nd
Absorption Coefficient @ 740 nm	6.5 ~ 8.5 dB/m
Absorption Coefficient @ 800 nm	7.0 ~ 9.0 dB/m
Absorption Coefficient @ 875 nm	2.5 ~ 4.5 dB/m
Background loss @ 1064 nm	≤ 20 dB/km
Cut-off Wavelength	≤ 1000 nm
Numerical Aperture	0.20 ± 0.03
Core Diameter	3.3 ± 0.3 μm
Cladding Diameter	125 ± 1 μm
Coating Diameter	245 ± 10 μm
Core/ Cladding Concentricity	≤ 0.5 μm
Cladding/ Coating Concentricity	≤ 12 μm
Coating Type	Dual Acrylate
Length	Customize

### ABSORPTION



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