

# Attenuation Fiber



## Product Description

OptoNest's specialty optical fibers are fabricated for WDM (Wavelength Division Multiplexing) applications with flat attenuation properties. The attenuation fibers have the potential to offer high reliability and stable input optical power endurance. OptoNest's attenuation fibers are designed to be used for plug and in-line types attenuators covering from 1250nm to 1650nm with 1~40dB/21mm and 22.4mm

옵트네스트의 특수 광섬유는 1250nm~1650nm 전반에 걸쳐 평탄한 감쇠 특성을 가짐으로 WDM(파장분할 다중방식) 응용에 적합하도록 제작되었습니다. 감쇠 광섬유는 안정된 입력 광 파워 내구성을 제공할 수 있어 높은 신뢰성을 보유하고 있습니다. 옵트네스트의 감쇠 광섬유는 21mm의 길이에서 1~40dB/21mm, 22.4mm 감쇠값을 가져, 플러그 및 인 라인 형태의 감쇠기 사용에 적합하도록 설계되었습니다.

OptoNest의 특수 광섬유는持有平坦의衰減特性，适用于DWDM(光波长分割多重方式)应用所制作而成。光衰減器用光纤具有较高的信赖性与稳定中可持有光输入POWER内结构性的潜在性。OptoNest의衰減光纤是经过全方位的1~40dB/21mm, 22.4mm, 1250~1650nm以适用于固定及双端直插式形态的衰減器与终端器所设计而成。

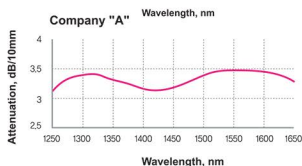
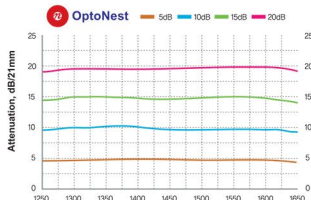
## Features

- Ideal for DWDM application
- Durable for high-input power
- Precise control of attenuation range
- High attenuation for fixed, in-line type attenuators and terminator
- High reliability

## Applications

- Dynamic power leveling in optical add/drop multiplexing
- EDFA
- Dynamic power balancing in DWDM systems
- CATV systems
- Optical network equipment
- Bi-directional systems

## Comparison of Attenuation Data



## Specifications

Parameter	Conditions
Operating wavelength	1250 ~ 1650nm
Attenuation	1 ~ 30dB/15.4mm, 21mm, 22.4mm
Core diameter	8 ~ 10 $\mu$ m
Cladding diameter	125 $\pm$ 0.5 $\mu$ m
Coating diameter	250 $\pm$ 15 $\mu$ m
Cutoff wavelength	1200 $\pm$ 20nm
Operating temperature range	-40 ~ 75 $^{\circ}$ C
Storage temperature range	-40 ~ 85 $^{\circ}$ C