# Attenuator

## O Product Description

OptoNest's optical attenuators are manufactured under the quality control throughout whole manufacturing process including IQC, End-face condition, Mechanical/Environmental characteristics which comply to the international standard GR-910 Core and OptoNest has been supplying the attenuators globally based on its distinguished performance.

옵토네스트의 광감쇠기는 수입검사부터 철저한 품질관리를 통해 국제 규격인 GR-910 Core에 맞는 End-face Condition, Mechanical/Environmental Characteristics에 부합되게 제작되었으며, 이를 통해 세계적인 광통신관련 업체에 납품을 하고 있습니다.

OptoNest的衰减器从入库检查通过彻底的品质管理适用于国际规格GR-910 Core的End-face Condition, Mechanical/Environmental Characteristics所制 作而成,亦是通过此项提供给世界光通信企业。



## • Features

- · Ideal for DWDM application
- · Precise attenuation control
- $\cdot$  High return loss
- · High reliability

#### • Applications

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

# • Specifications

| Parameter                   | Conditions                      |
|-----------------------------|---------------------------------|
| Operating wavelength        | $1250 \sim 1650$ nm             |
| Connector type              | SC, FC, ST, LC                  |
| Return loss                 | UPC < -55dB, APC < -60dB        |
| Attenuation                 | 1 ~ 30dB                        |
| Attenuation tolerance       | 1 ~ 4dB ± 0.5dB, 5 ~ 30dB ± 10% |
| Operating temperature range | −40 ~ 75°C                      |
| Storage temperature range   | -40 ∼ 85℃                       |
| Humidity                    | 75°C, RH 95%                    |
| Vibration                   | $10 \sim 55$ Hz(2Hr)            |
| Impact                      | 1.5m drop, 8 times              |
| Polarization dependent loss | 0.2dB                           |

## • GR910 Full Test Pass





