



Attenuator 衰减器

General Description 概述

Attenuator is an optical passive device used to reduce the energy of the optical signal and to attenuate the input optical power to avoid distortion of the optical receiver due to the excessive input optical power.

Attenuation range refers to the attenuation ratio, generally 3dB, 10dB, 14dB, 20dB.

衰减器是一种光无源器件，用于降低光信号的能量，衰减输入光功率，避免光接收器因输入光功率过大而产生失真。衰减幅度是指衰减比，一般为3dB、10dB、14dB、20dB。

Application 应用

Attenuator is mainly used for optical fiber system index measurement, short-distance communication system signal attenuation, system tests and other occasions.

衰减器主要用于光纤系统指标测量、短距离通信系统信号衰减、系统测试等场合。

Application Scenario 应用场景



AWG (Arrayed Waveguide Grating) AWG (阵列波导光栅)

General Description 概述

- AWG (Arrayed Waveguide Grating) is the preferred technique in Density Wavelength Division
AWG (Arrayed Waveguide Grating) 是密度波分的首选技术
- Multiplexing (DWDM) system. A grating formed by arrays of waveguides of equal length difference, using the ability to separate waves.
多路复用 (DWDM) 系统。由等长差的波导阵列组成的光栅，利用分波的能力。
- AWG also has high stability and good cost performance, which is very suitable for high-speed and large capacity DWDM system use. AWG device is a planar waveguide device based on optical integration technology. It has the potential advantages of planar waveguide technology. It is suitable for mass production, with good repeatability, small size, good uniformity of insertion loss, and thermal stability up to 0 after temperature control.
AWG 还具有较高的稳定性和良好的性价比，非常适合高速大容量的 DWDM 系统使用。AWG 器件是一种基于光学集成技术的平面波导器件。它具有平面波导技术的潜在优势，适合大批量生产，重复性好，体积小，插入损耗均匀性好，控温后热稳定性可达 0。

Application 应用

This device combines the light in multiple channels into a single optical fiber at the DWDM transmission end and separate the light at the DWDM receiving end, so as to improve the transmission efficiency of the optical fiber network and reduce the construction cost of the optical network.

该设备在 DWDM 传输端将多个通道的光合并到一根光纤中，在 DWDM 接收端将光分离，从而提高光纤网络的传输效率，降低光网络的建设成本。

Application Scenario 应用场景

