AV6383A/B Variable Optical Attenuator

Production Overview

AV6383A/B Aariable Optical Attenuator, with the whole new optical attenuation technics, can achieve 0dB～80dB /0dB～65dB continues andvariable attenuation for any optical signals within a wide wavelength range of 1200nm～1650nm, has high attenuation accuracy and repeatability but sees no power jump. Besides, it provides absolute attenuation mode and relative attenuation mode to satisfy customer's various test needs.

Main Characteristics

- ●Wide wavelength range, wide attenuation range
- ●High attenuation accuracy, low insertation loss
- ●Absolute and relative attenuation mode
- ●Shutter and attenuation zero function

Wide wavelength range**, wide attenuation range**

AV6383A/B can perform 0dB～65dB attenuation for any optical signals within the wavelength range of 1200nm～1650nm. It requires no shift in the whole attenuation range, and power jump won't occur.

High attenuation accuracy, low insertation loss

AV6383A/B has high attenuation accuracy up to ±0.1dB /±0.15dB, repeatability of ±0.01dB /±0.015dB, and low insertation loss less than 1.5dB, provides customers a highly accurate attenuation.

Absolute and relative attenuation mode

This device has absolute (insertation loss included) and relative (compare to another settled reference value) attenuation mode, to satisfy customer's various needs.

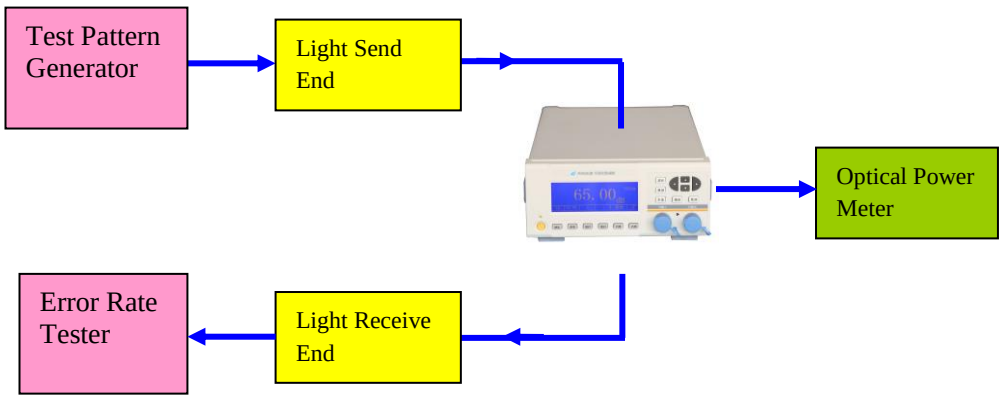
Light gate and attenuation zero function

The shutter can completely completely prevent the output port from the intput port, realize maximum attenuation of light power; zero function can easily perform 0dB attenuation with one key.

Typical Applications

AV6383A/B Variable Optical Attenuator can be used for test and debugging of research, development and production related to optical fiber communication systems -and equipment.

- Error Rate Measurement
- Receiver Sensitivity Measurement
- System Side-Band Analysis
- System Loss Analogue
- Optical Power Meter Calibration and Verification



Error Rate and Receiver Sensitivity test system

Optical Power Meter Calibration and Verification test system

Technical Specifications

Model	AV6383A	AV6383B
Wavelength Range	1200nm～1650nm	
Maxium Attenuation (Insertation Loss Not Concluded)	80dB	65dB
Attenuation Accuracy[mark1]	±0.1dB（0dB-60dB） ±0.3dB（60dB-80dB）	±0.15 dB
Repeatability[mark1、Mark2]	±0.01dB（0dB-60dB） ±0.03dB（0dB-60dB）	±0.015 dB
Insertion Loss[mark1]	≤1.5dB（@1550nm）	
Display Resolution	0.001dB	

Return Loss	≥40dB(SM)
Optical Port Type	FC/PC
Eletrical Port Type	GPIB
Power Type	220V±10%，50Hz±5%
Average Power	≤10W
Measurement	W×H×D=213mm×98mm×380mm
Weight	3.4kg
Environment Endurability	Operating Tempreture: 0℃～+50℃; Storage Tempreture: -40℃～+70℃; Relative Humidity: 5％～90％. Non-condensing.

Mark1: 23℃±5℃.
Mark2: Under constant operating conditions.

Ordering Information

Main Unit: AV6383A/B Adjustable Optical Attenuator

Standard Package

No.	Description	Remarks
1	Electrical Power cord	Standard tri-prong cord
2	User Manual	
3	Certificate of Conformity	

Options

AV6383X-XX

- X: SM： Single Mode(Wavelength: 1200nm-1650nm)
  MM： Multi Mode(Wavelength: 850nm,only for AV6383B)
- XX: A： Attenuation range： 0dB-80dB
  B： Attenuation range： 0dB-65dB