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PTS-VFOA

Variable Fiber Optic Attenuator Module

Key Features

- *Wide attenuation range of 0–60 dB*
- *High resolution and repeatability*
- *Factory calibrated at 1310 or 1550 nm*
- *Direct fiber input for automated fiber optic component measurements*
- *Available with variety of fiber connector styles*

Accessories

Please see the Fiber Optics and Accessories Section for fiber optic patchcords, adaptors, and many more accessories that can be used with these modules.

Order example: PTS-VFOA-601365

Variable Fiber Optic Attenuator Module calibrated at 1310 nm with SC/PC connectors



The PTS-VFOA Variable Fiber Optic Attenuator Module enables automated adjustment of optical power in the 1280–1670 nm wavelength range.

The module can be used for a variety of fiber optic test and measurement applications such as: automated bit-error-rate testing of fiber optic transmission links; dynamic range measurements of detectors and receivers; and characterization of fiber optic amplifiers.

The VFOA module features a wide attenuation range, incremental attenuation adjustments of 0.2 dB, low insertion loss and high repeatability.

To assure precise and repeatable measurements, the module is factory calibrated for operation at 1310 or 1550 nm, with calibration curves stored in the module's non-volatile memory.

The module is offered with various fiber optic connector options.

Specifications

Attenuation Range (dB)[1]	1.5–70
Resolution (dB)	0.2
Repeatability (dB)[2]	0.2
Absolute Accuracy (dB)[2]	±0.25
Insertion Loss[2]	1.5 dB
Polarization Dependent Loss (PDL) (dB) (PDL)[2]	0.3
Back Reflection (dB)[2]	-50
Tuning Speed (ms)	50–1400
Maximum Input Power (mW)	300
Fiber Type	9/125 µm SM
Dimensions (H x W x D) [in. (cm)]	5.23 (13.3) x 1.39 (3.5) x 9.09 (23.1)
Weight (kg)	0.8
Operating Temperature	5°C to 40°C
Storage Temperature	-20°C to 60°C

1) Low end of the range may vary between 0.7 and 1.5 dB
2) Without connectors

Ordering Information

When ordering a Variable Fiber Optic Attenuator Module, please specify the following Model number:

PTS-VFOA-□□ □□ □□

Attenuation
60 = 60dB

Wavelength
13 = 1310 nm
15 = 1550 nm

Connector Style
55 = FC/APC
25 = ST/PC
45 = FC/PC
65 = SC/PC
75 = SC/APC

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