

# Automated Variable Optical Attenuator



## Precise Levels of Attenuation with the Flexibility of Programmable Control

Timbercon's Automated Variable Optical Attenuator (AVOA) is ideal for automated test of OEM systems in production as well as laboratory applications.

- Programmable attenuation levels up to 20dB (min)
- Execution of complex test scripts under computer control
- Acquisition of optical power data for correlation with device under test (DUT) results



## Features

- Multimode 50 micron fiber based attenuator system
- 8 attenuation channels with active optical power monitoring
- 8 additional loopback channels with optical power monitoring
- Built-in command set for diagnostics, attenuation control and power level reporting
- Built-in self-test
- Integrated into EIA RS-310C 4U, 19" rackmount enclosure
- RS-232 computer control

## OPTICAL REQUIREMENTS

REQUIREMENT	SPECIFICATION
FIBER TYPE	50/125um MULTIMODE
WAVELENGTH	845 +/- 15nm
IL (TX PATH)	2.5dB MAX W/O CONNECTORS
IL (RX PATH)	0.8dB MAX W/O CONNECTORS
BACK REFLECTION	-20dB MAX
ATTENUATION RANGE	20dB MIN
DYNAMIC POWER RANGE	-25 TO +10dBM
ATTENUATION ACCURACY	+/- 0.2dB
TAP RATIO	10%
TAP DETECTOR ACCURACY	+/- 0.3dB

## OPTICAL COMPONENTS

COMPONENT DESCRIPTION	QUANTITY
LC DUPLEX ADAPTOR	16
NAT500 ATTENUATOR	8
TAP DETECTOR MODULES	16

**Contact Timbercon today for a hassle-free quote!**

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