

Microwave Photonic Systems, Inc. 888-868-8967

MPS-2500 Singlemode Variable Optical Attenuator (VOA)

Applications

Telecommunication Systems
 Local Area Networks (LAN)
 CATV Systems
 EDFA Transmission Systems
 Digital, Hybrid and AM-Video
 RF/ Analog Antenna Links



Description

The use of the MPS-2500 Singlemode Variable Optical Attenuator (VOA) is critical whenever optical system loss budgets need to be varied to: compensate for wavelength dependant losses, perform bit error rate (BER) testing and enhance optical receiver performance in the presence of high power levels. The MPS-2500 VOA is an adjustable attenuator that offers some great performance features over competing VOA's. Specifically, the MPS-2500 does not utilize any form of air-gap in the optical pathway. This ensures optimum system return loss and attenuation vs. wavelength flatness. Our Variable Optical Attenuator offers multi-wavelength capability to support WDM, CWDM and DWDM network applications with an attenuation range up to 40 dB. The MPS-2500 is made exclusively with Corning fiber and connectors for superior performance. In addition to the standard inset flathead screw, our VOA has a thumb-screw that can be used to adjust attenuation. This makes adjusting the attenuation in a tight spot nearly effortless and reduces the chance of damaging a surrounding component with a screwdriver.

The MPS-2500 Singlemode Variable Optical Attenuator (VOA) is available with 250 μ m bare, 900 μ m buffered or 3mm jacketed fiber leads and can be supplied with or without connectors. Every assembly meets Telcordia standards, is tested for insertion and return loss, and is supplied with an individual test record sheet. Below is a convenient part number generator or call us for immediate assistance.

Part Number Generator

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<p>Furcation Diameter [B]=250 μm Barefiber [L]=900 μm loose tube [K]=2mm cable [M]=2.4mm cable [R]=3mm cable</p>	<p>Cable Length A: Cable Length B: [X] Meters [X] Meters</p>	<p>ConnectorA: ConnectorB: [0]=None [0]=None [1]=FC/UPC [1]=FC/UPC [2]=FC/APC [2]=FC/APC [3]=SC/UPC [3]=SC/UPC [4]=SC/APC [4]=SC/APC [5]=LC/UPC [5]=LC/UPC [6]=Special [6]=Special [7]=ST/UPC [7]=ST/UPC</p>
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Features

Wide Operating Bandwidth
 Sealed Rugged Construction
 Customer Specified Connectors and Lead Lengths
 Corning Fiber and Corning Connectors Exclusively
 Excellent Environmental Stability
 Flathead and Thumb Screw Adjustable
 Fully Tested and One-Year Warranty

Specifications

Operating Wavelength: 1260 nm to 1650 nm
 Attenuation Range: > 40.0 dB
 Insertion Loss: < 0.5 dB
 Back Reflection: > -70 dB
 Attenuation Resolution: 0.01 dB to 0.2 dB
 Operating Temperature: -40°C to +85°C
 Dimensions: 2"L x 1.625"W x .5"H
 Mounting: 4- .116 Diameter Thru Holes

Attenuator (VOA)



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