

Customized Single-channel Attenuator Datasheet

IDEAL FOR DEBUGGING OPTICAL POWER PERFORMANCE & OPTICAL INSTRUMENT CALIBRATION CORRECTION & FIBER SIGNAL ATTENUATION.

Designed for testing equipment, video transmission, optical fiber communication system, cable television network, optical fiber access network etc.



Single-channel MEMS Variable Optical Attenuator

The MEMS Variable Optical Attenuator is based on the Micro-Electro-Mechanical System technology. These MM series attenuators can be used to achieve the remote control of the power in the networks by a MEMS chip with a movable mirror on the silicon. The mirror attenuates the laser light power by coupling the input beam onto the output fiber. The applied voltage to the device controls the mirror tilt angle, thus the desired attenuation amount.

Standards Compliance

- RoHS, ISO9001 and WEEE Compliant
- GR910

Features

- Available in a Variety of Connector Types
- Standard Variable Attenuation Values of 1dB up to 40dB
- Attenuating Material-ion Doped Fiber
- 1525-1570nm/1570-1610nm Wavelength Singlemode Attenuators
- Precision Polishing for Reduced Back Reflection
- High Precision Fiber Optic Ceramic Ferrules

Technical Specification

Physical Characteristics	Description
Fiber Type	LC/SC/FC/ST
Ferrule Type	ZirconiaCeramic
Transfer Mode	Singlemode
Color	Metal Silver
Max Optical Input Power	500mW
Humidity	95%RH

Experimental Introduction

	Unit	Condition	Values
Scope of loss	dB	-	0-30
Attenuation Accuracy	dB	-	≥30
Return Loss	dB	-	≥45
Operating Wavelength	nm	SM	1525-1570/1570-1610
Operating Temp Range	℃		-25 to 70

Matching Products

ID	Description
35199	Customized Single-channel Standard MEMS Variable Optical Attenuator