

VOA-MEMS-S



High-Speed MEMS (Micro-Electro-Mechanical Systems) Attenuator

This MEMS-based attenuator uses tilting mirror technology. It features in low power consumption and ultra fast response speed. Our MEMS technology is a simple and unique MEMS mirror structure for high-yield chip production and stable operation as a variable optical attenuator. The laser-welded packaging provides both environmental reliability and operational stability, a design with excellent optical properties.

Optical
Switch/VOA

Optical
Switch/VOA

FEATURES

- 2 ms Response Time
- 5 V Driving
- Low Power Consumption
- Compact Packaging
- Proprietary Stiction-free Structure
- Bright and Dark Type Available
- RoHS Compliant

USE IN

- Optical Power Control, Equalization and Regulation
- Receiver Protection
- Instrumentation
- Channel On/Off Switching

Channel Center Wavelength	C-band (1530 nm to 1570 nm)
Insertion Loss	0.8 dB max.
Max. Attenuation	30 dB max.
PMD	0.1 psec max.
Response Time	2 msec typ.
Driving Voltage	5 V max.
Power Consumption	0.1 mW max.
Optical Power Handling	300 mW max.
Fiber Type	SM 0.25 mm
Fiber Length	1 m
Operating Temperature	-5°C to +70°C