



Key Advantages of OZ Optics MEMS VOA

(1) Performance

- Best-in-class resistance to shock & vibration
- Fast response time: < 0.8 millisecond in open loop for high voltage VOA
- Large dynamic range: > 40 dB
- Low insertion loss: < 0.8 dB
- Low WDL, PDL, TDL
- Fully symmetric: either fiber can be input or output
- Extremely low power consumption
- Low undershoot and overshoot: < less than 5% of change
- Small footprint

(2) Reliability & Durability

- High durability: tested to > 10 Billion Cycles
- Hermetically sealed MEMS mirror
- Laser-welded assembly for high durability
- Telcordia GR 1209 and GR 1221 qualified

(3) Low Price

- OZ Optics Ltd. is a vertically integrated company.
- Our proprietary MEMS mirrors are designed for high fabrication yield.
- We manufacture in-house the electrical, optical, mechanical components to build our products.
- Our leading-edge automated manufacturing equipment allows us to consistently produce high quality products.
- We have sophisticated materials management systems.
- Our high-yield low-cost manufacturing system allows us to offer very competitive pricing and on-time delivery to our customers.

Product Description

The OZ Optics MEMS VOA is a free-space optical device based on a reflective single-axis tilting electrostatic MEMS mirror. Input and output fibers are on the same side. It's a fully symmetric device in which either fiber can be input or output. The MEMS actuator is controlled by DC voltage.

Our MEMS VOAs are available for low voltage (0-6.5 Volt DC) or high voltage (0-18 Volt DC), as normally-open or normally-closed, and with SM or PM fibers.

We also offer Multi-channel VOA Arrays (e.g. 8-channel VOA Array) as modules requiring 5 Volt DC power supply and 0-7.5 Volt DC on each VOA driving pin. Every VOA in the Array is individually controlled.

Data sheets are available on our website at: http://ozoptics.com/ALLNEW_PDF/DTS0078.pdf

Performance . Reliability . Durability . Low price