

0501 MEMS VOA

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.

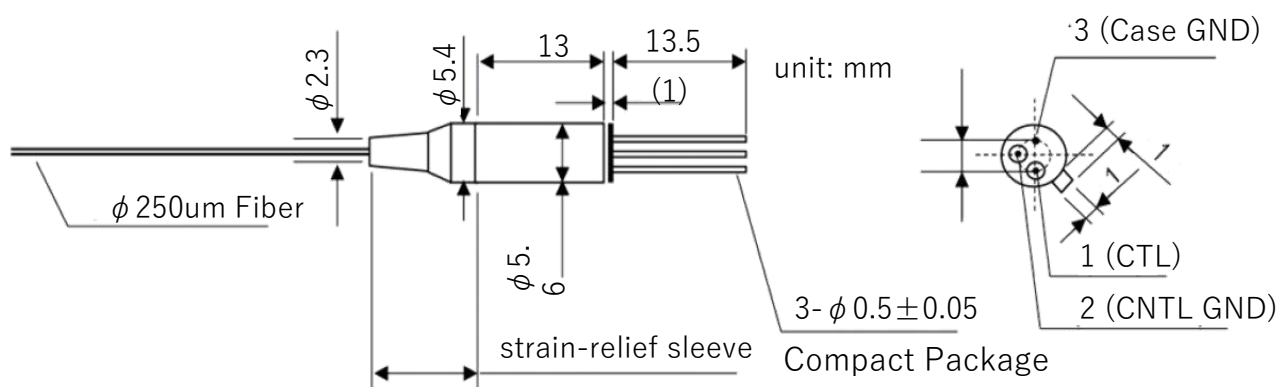
FEATURES

- 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

MECHANICAL DRAWING



Channel Center Wavelength	C-band (1530 nm to 1570 nm)
Insertion Loss	0.8 dB max.
Max. Attenuation	40 dB min.
PMD	0.1 ps max.
Response Time	2 ms typ.
Driving Voltage	5 V max.
Power Consumption	0.1 mW max.
Power Handling	300 mW max.
Operating Temperature	-5°C to +70°C

Order notes to our customers: The default parameters are as follows. For special needs, please contact sales.

- 1) Connector FC/APC, 900 um, 1 m by default for all devices except for high power devices.
- 2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.