# Polarization Maitaining MEMS VOA

## Features

- Low Excess Loss
- Various Attenuation
- Wide Passband
- High Stability and Reliability
- Epoxy Free Optical Path

## Applications

- Optical Amplifier
- Optical Networks
- Power Monitoring
- Fiber Sensor
- Lab

## Specifications

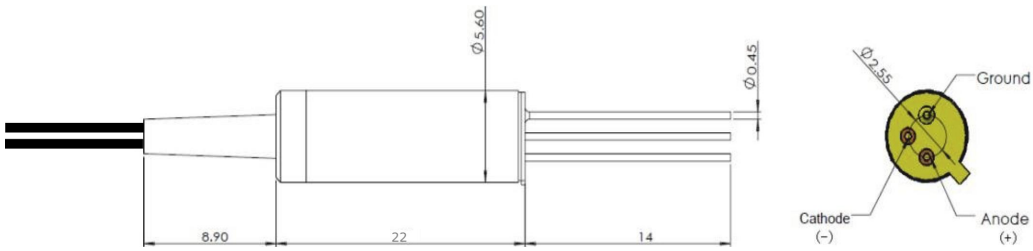
| Parameter | | Unit | Value |
|---|---|---|---|
| Center Wavelength | | nm | 1310, 1480, 1550, 1590 |
| Bandwidth | | nm | +/-10 |
| Max. Insertion Loss | | dB | 0.8 |
| Attenuation Range | | dB | 0.6~40 |
| Resolution | | - | Continuous |
| PDL | (at lowest attenuation) | dB | ≤0.1 |
| | 20dB Attenuation | dB | ≤0.5 |
| WDL | (at lowest attenuation) | dB | ≤0.3 |
| | 20dB Attenuation | dB | ≤1.2 |
| Extinction Ratio | | dB | ≥18 |
| Optical Return Loss | | dB | ≥45 |
| Driving Voltage | | V | 0~6.5 or 0~15 |
| Response Time (10~90% Power) | | ms | ≤2 |
| Work Mode | | - | Bright (Normally-open) or Dark (Normally-closed) |
| Fiber Type | | - | PM1310/1550 Panda Fiber |
| Fiber Tensile Load | | N | 5 |
| Max. Optical Power (CW) | | mW | 300 |
| Operating Temperature | | °C | 0~70 |
| Storage Temperature | | °C | -40~85 |

**Note:** 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.

3. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

## Package Dimension




## Ordering Information (PN)

**PEMP-NNNN - (C) (C) - C C NN - CC/CCC**

| Center Wavelength | Work Mode | Voltage | Fiber Type | Fiber Sleeve | Fiber Length | Connector Type |
|---|---|---|---|---|---|---|
| 1310=1310nm | D=Dark Type | H=15V | 2=PM1310/1550 Fiber | B= Bare fiber | 05=0.5m | N=Without Connector |
| 1480=1480nm | Blank for Bright Type | Blank for 6V | | L= Loose Tube | 10=1.0m | FC/APC=FC/APC Connector |
| 1550=1550nm | | | | 2= 2mm Cable | 15=1.5m | LC/PC=LC/PC Connector |
| 1590=1590nm | | | | 3= 3mm Cable | 20=2.0m | SC/UPC=SC/UPC Connector |