

## PM Variable Optical Attenuator (PMVOA)

### Descriptions

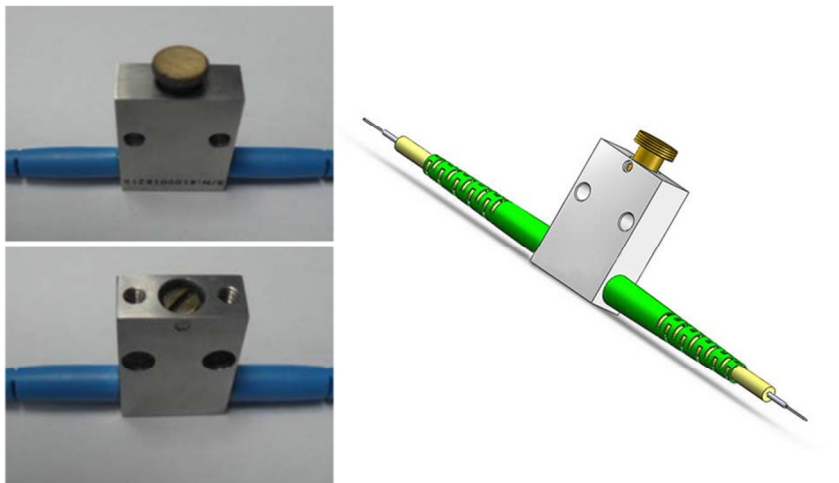
This Variable Attenuator uses collimator lens technology enabling the user to change attenuation through the twist of a top mounted screw. Use this variable attenuator to simulate the loss in a fiber system or testing your system's dynamic range.

### Features

- ▶ Wide attenuation range
- ▶ High precision
- ▶ Low original loss
- ▶ High extinction ratio

### Applications

- ▶ Optical passive component test
- ▶ Fiber communication on system test
- ▶ Optics lab use



### Specifications

| Parameter                | Specification |        |        |        |        |        |
|--------------------------|---------------|--------|--------|--------|--------|--------|
| Center wavelength(nm)    | 1550          | 1490   | 1310   | 980    | 850    | 630    |
| Operating bandwidth(nm)  | ±40           | ±40    | ±40    | ±20    | ±20    | ±20    |
| Attenuation range(dB)    | 0.6~50        | 0.6~50 | 0.6~50 | 1.0~50 | 1.0~50 | 1.5~50 |
| Original loss(dB)        | ≤0.6          | ≤0.6   | ≤0.6   | ≤1.0   | ≤1.0   | ≤1.5   |
| ER(dB)                   | ≥20           |        |        |        | ≥18    |        |
| Return loss(dB)          | ≥50           |        |        |        |        |        |
| Fiber type               | PM1550        | PM1490 | PM1310 | PM980  | PM850  | PM630  |
| Handling power(mW)       | ≤500          |        |        |        |        |        |
| Operating temperature(℃) | 0 ~ +70       |        |        |        |        |        |
| Storage temperature(℃)   | -40 ~ +85     |        |        |        |        |        |
| Dimensions(mm)           | 26×18×8       |        |        |        |        |        |

Remark: Customized different PMVOA type/ length tolerance/specifications.

### Ordering Information

| PMVOA – A – B – C – D – E – F |                 |                                                                                            |
|-------------------------------|-----------------|--------------------------------------------------------------------------------------------|
| <b>A</b>                      | Wavelength      | 1550nm, 1310nm, 980nm, 850nm, 630nm, etc                                                   |
| <b>B</b>                      | Adjustment type | HA=Hand adjustment , SA=screw adjustment                                                   |
| <b>C</b>                      | Tube Type       | 0.9=0.9mm Tight Buffer/Tubing, 2.0= 2.0mm Jacket, 3.0=3.0mm Jacket, 3mm armour Jacket, etc |
| <b>D</b>                      | Fiber type      | PM1550, PM1310, PM980, PM850, PM630, Customer Request                                      |
| <b>E</b>                      | Fiber length    | 005=0.5m; 010=1.0m 100=10m etc                                                             |
| <b>F</b>                      | Connector Type  | N=None, FC/APC, SC/APC, LCAPC, MU/PC, ST/PC, D4, etc                                       |

For example: PMVOA -1550—HA-2.0-PM1550-010-FC/APC