

## 950nm SM Fixed In-line Optical Attenuator

950nm SM Fixed In-line Optical Attenuator is a fiber component which can attenuate the optical power with a fixed attenuation value, the attenuation value can be up to 40dB, it's widely used in optical power testing system, fiber line protection and optical power monitoring field. High power type is available upon request.

### Application:

Optical Power Monitoring  
Fiber Line Protection  
Testing System  
Lab And Research

### Features:

Low Excess Loss  
High Power  
High Attenuation  
High Reliability



### Specification:

| Parameter                 | Symbol    | Value                                                                                                                     | Unit |
|---------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------|------|
| Center Wavelength         | $\lambda$ | 950                                                                                                                       | nm   |
| Bandwidth                 | BW        | $\pm 10$                                                                                                                  | nm   |
| Typ. Excess Loss          | EL        | 0.5                                                                                                                       | dB   |
| Max. Excess Loss          | EL        | 0.7                                                                                                                       | dB   |
| Attenuation and Tolerance |           | 1 $\pm$ 0.1, 2 $\pm$ 0.2, 3 $\pm$ 0.3, 5 $\pm$ 0.7, 10 $\pm$ 1.0, 15 $\pm$ 1.8, 20 $\pm$ 2.5, 30 $\pm$ 3.0, or customized | dB   |
| Max. Optical Power (CW)   | P         | 2                                                                                                                         | W    |
| Max. Tensile Load         |           | 5                                                                                                                         | N    |
| Fiber Type                |           | HI 1060 fiber                                                                                                             | -    |
| Operating Temperature     | T         | -40~85                                                                                                                    | °C   |
| Storage Temperature       | T         | -40~85                                                                                                                    | °C   |
| Package Dimension         |           | $\Phi 3.0 \times L54$                                                                                                     | mm   |

Notice: Above specifications are tested at center wavelength without connector in room temperature @23°C.

For devices with connectors, EL will be 0.2dB higher. Connectors only 1W CW optical power guarantee.

### Drawing:



### Ordering Information (Part Number):

| SMFIA- <b>WWW</b> - <b>PP</b> - <b>AA</b> - <b>FF</b> - <b>J</b> - <b>LL</b> - <b>CC</b> |           |              |              |                      |              |              |
|------------------------------------------------------------------------------------------|-----------|--------------|--------------|----------------------|--------------|--------------|
| <b>WWW</b>                                                                               | <b>PP</b> | <b>AA</b>    | <b>FF</b>    | <b>J</b>             | <b>LL</b>    | <b>CC</b>    |
| Wavelength                                                                               | Port      | Attenuation  | Fiber Type   | Fiber Jacket         | Fiber Length | Connector    |
| 915 - 915nm                                                                              | 11 - 1x1  | 01 - 1dB     | H1 - HI 1060 | B - 250um Bare Fiber | 05 - 0.5m    | NE - None    |
| 930 - 930nm                                                                              |           | 02 - 2dB     | SS - Specify | 9 - 900um Loose Tube | 10 - 1.0m    | FA - FC/APC  |
| 940 - 940nm                                                                              |           | 03 - 3dB     |              |                      | 15 - 1.5m    | FU - FC/UPC  |
| 950 - 950nm                                                                              |           | 05 - 5dB     |              |                      | 20 - 2.0m    | SA - SC/APC  |
| 975 - 975nm                                                                              |           | 10 - 10dB    |              |                      | SS - Specify | SU - SU/APC  |
| 980 - 980nm                                                                              |           | 15 - 15dB    |              |                      |              | LA - LC/APC  |
|                                                                                          |           | 20 - 20dB    |              |                      |              | LU - LC/UPC  |
|                                                                                          |           | 30 - 30dB    |              |                      |              | SS - Specify |
|                                                                                          |           | SS - Specify |              |                      |              |              |