

## PM Fiber In Line Fixed Optical Attenuator

| Features                                                                        |  |
|---------------------------------------------------------------------------------|--|
| Low Excess loss<br>High Extinction Ratio<br>High stability and reliability      |  |
| Application                                                                     |  |
| Optical Amplifier<br>Power Monitoring<br>Coherent Communication<br>Fiber Sensor |  |

### Specification

| Parameter                | P grade    | A grade | P grade  | A grade |
|--------------------------|------------|---------|----------|---------|
| Central Wavelength (nm)  | 1310, 1550 |         | 980,1064 |         |
| Bandwidth (nm)           | +/-15      |         |          |         |
| Typ. Excess Loss (dB)    | 0.4        | 0.6     | 0.4      | 0.6     |
| Max.Excess Loss (dB)     | ≤0.6       | ≤0.8    | ≤0.6     | ≤0.8    |
| Extinction Ratio (dB)    | ≥20        | ≥17     | ≥20      | ≥17     |
| Directivity (dB)         | ≥55        |         |          |         |
| Operating Temperature(℃) | -40 ~ +85  |         |          |         |
| Storage Temperature(℃)   | -40 ~ +85  |         |          |         |

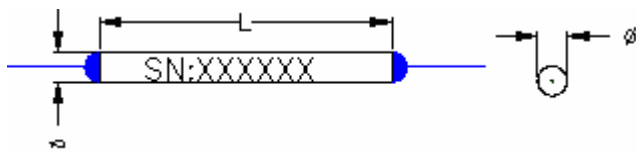
| IL Tolerance | P grade | A grade |
|--------------|---------|---------|
| 1            | ±0.1    | ±0.2    |
| 2            | ±0.2    | ±0.3    |
| 3            | ±0.3    | ±0.4    |
| 5            | ±0.7    | ±0.8    |
| 10           | ±1.0    | ±1.2    |
| 15           | ±1.8    | ±2.2    |
| 20           | ±2.5    | ±3.0    |

For device with connector, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower. The default connector key is aligned to slow axis.

### Package Information

| Configuration  | 1x1                     |                  |
|----------------|-------------------------|------------------|
| Fiber length   | 0.8m, others on request |                  |
| Fiber Type     | Panda fiber             |                  |
| Pigtail type   | 250μm bare fiber        | 900μm loose tube |
| Dimensions(mm) | Φ3x54                   | Φ3x70            |

### Package Size:



### Ordering Information

| PMFOA | Grade  | Wavelength (nm)             | Attenuation Value                  | Pigtail Type                                                                               | Fiber Type    | Length               | Connector                                                                            | Package |
|-------|--------|-----------------------------|------------------------------------|--------------------------------------------------------------------------------------------|---------------|----------------------|--------------------------------------------------------------------------------------|---------|
|       | P<br>A | 980<br>1064<br>1310<br>1550 | 1=1dB<br>2=2dB<br>.....<br>20=20dB | 250=250um bare fiber<br>900=900um loose tube<br>2000=2mm loose tube<br>3000=3mm loose tube | 5=Panda fiber | 0.8= 0.8m<br>X:other | NE=None<br>FA=FC/APC<br>FC=FC/UPC<br>SA=SC/APC<br>SC=SC/UPC<br>LC=LC/UPC<br>XX=Other | 3x54    |