

## PM Isolator(2000nm)

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| <b>Features</b>  |  |
| Low Insertion Loss<br>High Power Handling<br>High Isolation<br>Low Cost                          |  |
| <b>Application</b>   |  |
| Optical Fiber Amplifier<br>Fiber Optic Sensor<br>Instrumentation<br>R&D<br>Fiber Lasers<br>Radar |  |

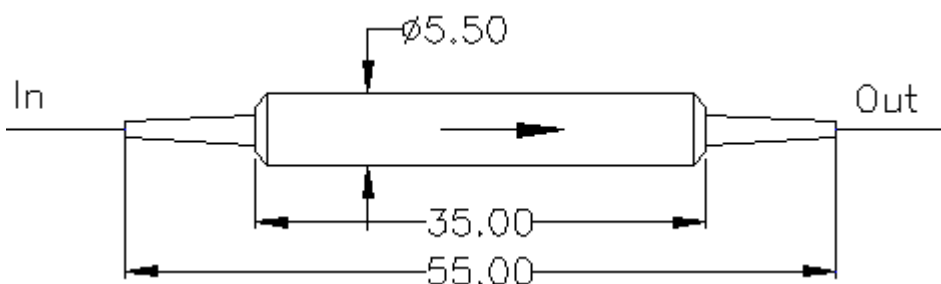
### Specifications

| Parameter                         | Value                                    |            |
|-----------------------------------|--|------------|
|                                   | Single Stage                             | Dual Stage |
| Stage                             | Single Stage                             | Dual Stage |
| Center wavelength(nm)             | 2000                                     |            |
| Bandwidth(nm)                     | ±50                                      |            |
| Isolation at $\lambda_c$ 23°C(dB) | ≥20                                      | ≥35        |
| Typ.Insertion Loss at 23°C(dB)    | 0.8                                      | 1.0        |
| Insertion Loss at 23°C(dB)        | ≤1.0                                     | ≤1.2       |
| Extinction Ratio(only for B type) | ≥18                                      | ≥18        |
| Extinction Ratio(only for F type) | ≥20                                      | ≥20        |
| Return loss (Input/output) (dB)   | ≥50/50                                   | ≥50/50     |
| Power handling (mW)               | ≤500                                     |            |
| Tensile Load(N)                   | ≤5                                       |            |
| Fiber Type                        | PM 1550 Fiber , PM 1950 Fiber or Specify |            |
| Operating temperature (°C)        | -5 ~ +70                                 |            |
| Storage temperature (°C)          | -40 ~ +85                                |            |
| Package(mm)                       | φ5.5×L35                                 |            |

\*Above specifications are for devices without the connectors.

\*For devices with connectors, IL will be 0.3dB higher and RL will be 5dB lower.

### Package Dimensions



### Ordering Information

| IS | Type                            | Wave length | Working Axis                        | Pigtail Type                                 | Fiber Type            | Length            | Connector   | Package size |
|----|---------------------------------|-------------|-------------------------------------|--|-----------------------|-------------------|---|--------------|
|    | S= Single stage<br>D=Dual Stage | 2000        | B=Both axis<br>F= Fast axis blocked | 250=250um bare fiber<br>900=900um loose tube | 1=SMF-28e<br>9=SM1950 | 0.8=0.8m<br>1= 1m | NE=None<br>FA=FC/APC<br>FC=FC/UPC<br>SA=SC/APC<br>SC=SC/UPC<br>LC=LC/UPC<br>LA=LC/APC<br>XX=Other | 5.5x35       |