

**Optizone** Polarization Maintaining Filter Coupler 1310 or 1550nm (High ER)

**Features**

- Low Insertion Loss
- High Return Loss
- High PER

**Applications**

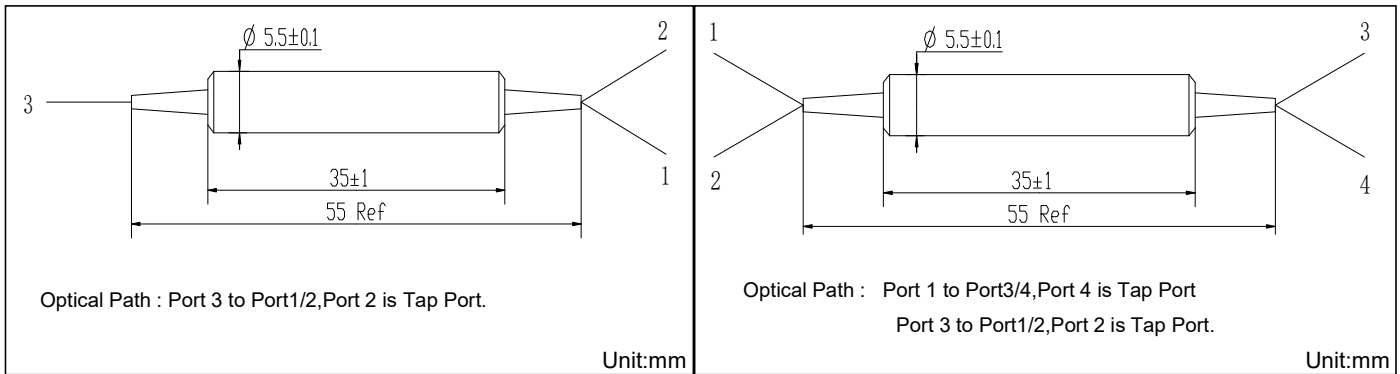
- Fiber Optic Instruments
- Fiber Amplifiers
- Fiber Lasers
- Fiber Sensors

**Specifications**

Parameters	Unit	Values	
Port Type	-	1X2	2X2
Center Wavelength	nm	1310 or 1550	
Operating Wavelength Range	nm	±40	
Max. Excess Loss	dB	0.7	1.0
Max. Uniformity (only for 50/50)	dB	0.4	0.6
Tap Ratio (Port 2/4)	%	1±0.2, 2±0.4, 5±1.0, 10±2, and 50	
Min. Return Loss	dB	50	
Min. Extinction Ratio	dB	27 or Specify	
Max. Optical Power (CW)	mW	500 (only for Splitter, Proper SOP)	
Max. Tensile Load	N	5	
Fiber Type	-	PM Panda Fiber	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to +85	

- \* Above specifications are for devices without the connectors.
- \* For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower.
- \* The PM fiber and the connector key are aligned to the slow axis. Fast axis is blocked.

**Package Dimensions**



**Ordering Information**

**1×2 PMFC**-①-②-③-④-⑤-⑥⑥⑥-⑦⑦⑦-⑧-⑨-⑩-⑪

**2×2 PMFC**-①-②-③-④-⑤-⑥⑥⑥⑥-⑦⑦⑦⑦-⑧-⑨-⑩-⑪

- |   |   |   |
|---|---|---|
| ①: Wavelength<br>31 - 1310nm<br>55 - 1550nm<br>S - Specify  | ④: Axis Alignment<br>F - Fast Axis Blocked  | ⑧: Fiber Length<br>0.8 - 0.8m<br>S - Specify  |
| ②: Port<br>1 - 1x2<br>2 - 2x2   | ⑤: Handling Power<br>0.5 - 500mW  | ⑨: Fiber Type on Port 1, 2, 3 & 4<br>01A - PM1550 Fiber on all Port<br>07A - PM1310 Fiber on all port |
| ③: Coupling Ratio<br>01 - 1/99<br>02 - 2/98<br>05 - 5/95<br>10 - 10/90<br>50 - 50/50<br>S - Specify | ⑥⑥⑥⑥: Connector Type on Port 1, 2, 3 & 4<br>1F - FC/UPC<br>2F - FC/APC<br>N - None<br>S - Specify           | ⑩: Package Dimensions<br>01 - Ø5.5x35<br>SS - Specify   |
|   | ⑦⑦⑦⑦: Fiber Jacket on Port 1, 2, 3 & 4<br>B - 250um Bare Fiber<br>C - 900um Loose Tube(Ref)<br>SS - Specify | ⑪ : Min. Extinction Ratio (without Connector)<br>27 - 27dB<br>S - Specify                             |