

# Polarization Maintaining Filter Coupler

The PMFC Series is manufactured using advanced technology to allow the input signal to split into various ratio with high extinction ratio.

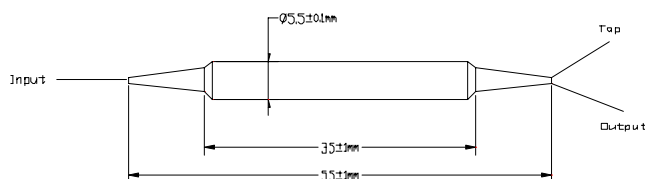
## Specifications

| Parameters                           | Unit | Values                                            |     |
|--------------------------------------|------|---------------------------------------------------|-----|
| Center Wavelength                    | nm   | 1310 or 1550                                      |     |
| Operating Wavelength Range           | nm   | ±40                                               |     |
| Type.                                |      | 1x2                                               | 2x2 |
| Max. Excess Loss                     | dB   | 0.7                                               | 1.1 |
| Max Uniformity (only for 50%)        | dB   | 0.6                                               | 0.8 |
| Tap Ratio                            | %    | 1 ± 0.2, 2 ± 0.4, 4 ± 0.8, 5 ± 1.0, 10, 20 and 50 |     |
| Min. Return Loss                     | dB   | 50                                                |     |
| Min. Extinction Ratio                | dB   | 20                                                | 20  |
| Max. Optical Power (Continuous Wave) | mW   | 300                                               |     |
| Max. Tensile Load                    | N    | 5                                                 |     |
| Operating Temperature                | °C   | -5 to +70                                         |     |
| Storage Temperature                  | °C   | -40 to +85                                        |     |
| Fiber Type                           |      | SMF-28 or PM Panda fiber on Tap port              |     |
|                                      |      | PM Panda fiber on Input & Output port             |     |

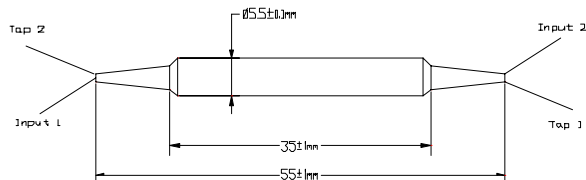
1. Above specifications are for devices without the connectors
2. For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower.

## Dimension

1x2



2x2



## Ordering Information

### PMFC-①①-②-③③-④-⑤-⑥-⑦-F

|                |                    |                                                    |
|----------------|--------------------|----------------------------------------------------|
| ①①: Wavelength | ③③: Coupling Ratio | ⑤: Fiber Type                                      |
| 31 - 1310nm    | 01 - 1/99          | B - 250um bare fiber                               |
| 55 - 1550nm    | 02 - 2/98          | L - 900um loose tube                               |
| SS - Specify   | 04 - 4/96          |                                                    |
|                | 05 - 5/95          | ⑥: Fiber Type on Tap port                          |
|                | 10 - 10/90         | M - SMF-28<br>(For 1x2 only, AFR standard product) |
| ②: Type        | 20 - 20/80         | P - Panda fiber                                    |
| 1 - 1x2        | 50 - 50/50         | S - Specify                                        |
| 2 - 2x2        | SS - Specify       |                                                    |
|                | ④: Connector Type  | ⑦: Fiber Length                                    |
|                | 1 - FC/UPC         | Q - 0.75 m                                         |
|                | 2 - FC/APC         | S - Specify                                        |
|                | 3 - SC/UPC         |                                                    |
|                | 4 - SC/APC         | ⑧: Axis Alignment                                  |
|                | N - None           | F - Fast axis blocked                              |
|                | S - Specify        |                                                    |

The PM fiber and the connector key are aligned to the slow axis

## Contact Information

For more information about BATi's leadership in variable optical attenuation technology and other optical networking modules and components, visit our website at [www.bostonati.com](http://www.bostonati.com).

To obtain additional technical information or to place an order for this product, please contact us at:

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