

## 1x4/1x8 PM Fiber Coupler Module

### ☆ Feature

- Low Excess Loss & Low Insertion Loss
- High Extinction Ratio
- High Stability and Reliability

### ☆ Application

- Fiber Gyroscope
- Optical Testing Equipment
- Coherent Communication
- Polarization Maintaining Fiber Amplifier



### ☆ Specifications

| Parameter                  |                      | Unit | Value                |                      |                        |                        |
|----------------------------|----------------------|------|----------------------|----------------------|------------------------|------------------------|
| Configuration Type         |                      | -    | 1X4                  |                      | 1X8                    |                        |
| Center Wavelength          |                      | nm   | 1310,1550            | 980,1064             | 1310,1550              | 980,1064               |
| Operating Wavelength Range |                      | nm   | ±30                  |                      |                        |                        |
| Coupling Ratio             |                      | dB   | Divide equally       |                      |                        |                        |
| Insertion Loss             |                      | dB   | ≤7.5<br>Typical: 7.0 | ≤8.0<br>Typical: 7.5 | ≤11.0<br>Typical: 10.5 | ≤11.5<br>Typical: 11.0 |
| Heterogeneity              |                      | dB   | ≤0.8                 |                      | ≤1.0                   |                        |
| Extinction Ratio           | Both of axis working | dB   | ≥18                  |                      | ≥17                    |                        |
|                            | Fast axis blocked    | dB   | ≥18                  |                      |                        |                        |
| Return Loss                |                      | dB   | ≥50                  |                      |                        |                        |
| Directivity                |                      | dB   | ≥50                  |                      | ≥45                    |                        |
| Temperature Dependent Loss |                      | dB   | ≤0.006               |                      | ≤0.008                 |                        |
| Max. Optical Power         |                      | w    | 2                    |                      |                        |                        |
| Fiber Type                 |                      | -    | PM Panda fiber       |                      |                        |                        |
| Package Dimensions         |                      | mm   | 18×80×120            |                      | 10×160×160             |                        |
| Operating Temperature      |                      | °C   | -5 ~ +70             |                      |                        |                        |
| Operating Temperature      |                      | °C   | -40 ~ +85            |                      |                        |                        |

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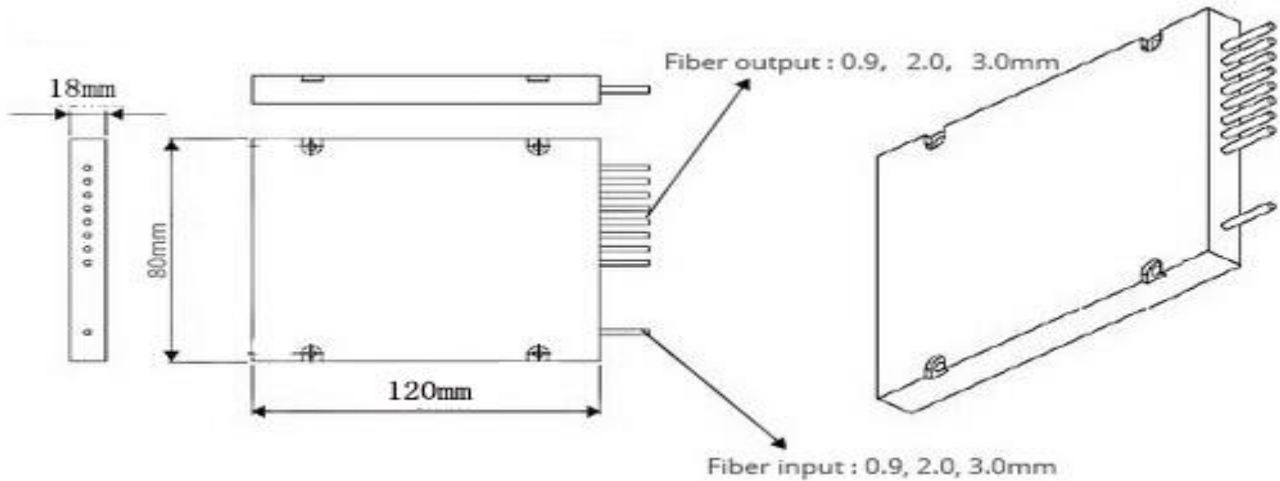
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☆ Package Dimensions



☆ Ordering Information

| Device ID | Explain               | Option                   |                            |                        |
|-----------|-----------------------|--------------------------|----------------------------|------------------------|
| XX        | Device Type           | XQ-PMCM                  |                            |                        |
| X         | Configuration Type    | 4=1X4                    | 8=1X8                      |                        |
| XXXX      | Operating Wavelength  | 980=980nm<br>1064=1064nm | 1310=1310nm<br>1550=1550nm |                        |
|           | Coupling Ratio        | B=Balance                | S=Specify                  |                        |
|           | Axis Alignment For PM | F=Fast axis blocked      | B=Both of axis working     |                        |
| X         | Fiber Type            | 1=PM Panda fiber         |                            |                        |
| XXX       | Pigtail Type          | 900=900um Loose tube     | 3000=3 mm Cable            |                        |
|           | Fiber Length          | 10=1m                    | S=Specify                  |                        |
| XX        | Package Dimensions    | A=18×80×120              | B=10×160×160               |                        |
|           | Connector Type        | FU=FC/UPC<br>SU=SC/UPC   | FA=FC/APC<br>LU=LC/UPC     | SA=SC/APC<br>S=Specify |

Example: XQ-PMCM-4-1550-B-F-1-900-10-A-FU