HJ OPTRONICS

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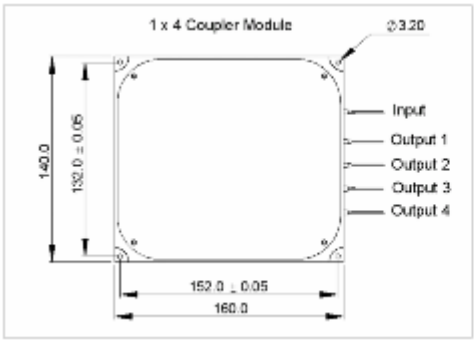
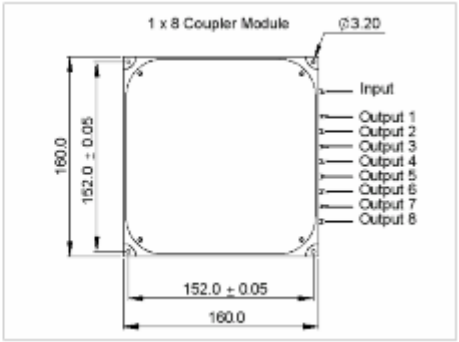
# 1064 nm Polarization Maintaining Fiber Filter Coupler Module (1 x N)

Model #: PMFCM
Description: 1064 nm Polarization Maintaining Fiber Filter Coupler Module
Application: Fiber amplifier, fiber laser, fiber sensor
Specifications:

| Parameter | Unit | Specifications | | |
|---|---|---|---|---|
| Wavelength Range | nm | 1064 +/- 30 | | |
| Configuration | | 1 x 3 | 1 x 4 | 1 x 8 |
| Maximum Insertion Loss | dB | 6.1 | 7.7 | 11.5 |
| Typ. Insertion Loss | dB | 5.7 | 7.4 | 11.2 |
| Max. Wavelength Dependent Loss | dB | 0.3 | 0.5 | 0.5 |
| Typ. Wavelength Dependent Loss | dB | 0.2 | 0.3 | 0.3 |
| Max. Insertion Loss Uniformity | dB | 0.7 | 0..8 | 1.0 |
| Min. Return Loss | dB | 50 | | |
| Min. Directivity | dB | 50 | 50 | 45 |
| Min. Polarization Extinction Ratio | dB | 23 | | |
| Max. Optical Power | mW | 300 | | |
| Operating Temperature | °C | -5 to +70 | | |
| Storage Temperature | °C | -40 to + 85 | | |
| Dimension (mm) | mm | 160 x 140 x 10 | 160 x 140 x 10 | 160 x 160 x 10 |
| Fiber Type | | PM Panda fiber for input and output ports | | |

* Customized ratios are acceptable;
Note: each connector may contribute extra 0.5 dB IL, 5 dB lower RL and 2 dB lower PER. Keying to slow axis.




**Ordering Information:**

**PMFCM**-AA-BBBB-CC-DD-E-F-G

| AA: wavelength | BBBB: configuration | CC: coupling ratio | DD: connector type (in/out) | E: fiber jacket | F: fiber length | G:polarization orientation |
|---|---|---|---|---|---|---|
| 06 - 1064 | 0103 – 1 x 3 | EV - even | 1 - FC/UPC | B - 250µm Panda fiber | H – 0.5 m | F - fast axis blocked |
| XX - other | 0104 – 1 x 4 | XX - other | 2 - FC/APC | L - 900 µm loss tube | Q - 0.75 m | |
| | 0108 – 1 x 8 | | 3 - SC/UPC | X - other | X - other | |
| | | | 4 - SC/APC | | | |
| | | | N - none | | | |
| | | | X - other | | | |