

## 1064nm (6+1)x1 Multimode Pump and PM Signal Combiner

1064nm (6+1)x1 Multimode Pump and PM Signal Combiner is a fiber passive component which can be used in coupling input pump laser and polarized signal seed laser with high coupling efficiency, it's widely used in fiber laser system and Fiber Amplifier System, the fiber can be customized upon request.

### Application

Fiber Laser  
Fiber Amplifier  
Quantum Optics  
Lab And Research

### Features:

High Coupling Efficiency  
High Power  
RoHs Compliant  
High Reliability



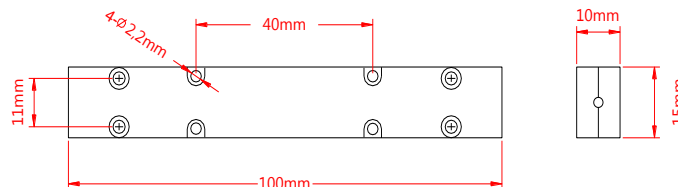
### Specification:

| Parameter                              | Symbol    | Value                                                                           | Unit |
|----------------------------------------|-----------|---------------------------------------------------------------------------------|------|
| Signal Operating Wavelength            | $\lambda$ | 1000-1100                                                                       | nm   |
| Pump Operating Wavelength              | $\lambda$ | 800-1000                                                                        | nm   |
| Pump Input Fiber                       |           | 105/125 0.15NA or 0.22NA,<br>200/220 0.22NA                                     | -    |
| Signal Input Fiber                     |           | PM 980, 6/125, 10/125, 12/125,<br>15/125, 20/125, 25/250 PM SCF or DCF          | -    |
| Output Fiber                           |           | 6/125, 10/125, 12/125, 15/125, 20/125,<br>20/200, 25/250, 30/250, 20/400 PM DCF | -    |
| Max. Signal Insertion Loss             |           | 0.5                                                                             | dB   |
| Min. Extinction Ratio                  | ER        | 18                                                                              | dB   |
| Min. Pump Efficiency                   |           | 90                                                                              | %    |
| Max. Optical Power Per Pump Input (CW) | P         | 25, 50, 100, 200 or specify                                                     | W    |
| Min. Return Loss                       | RL        | 35                                                                              | dB   |
| Operating Humidity                     |           | 5~95                                                                            | %RH  |
| Operating Temperature                  | T         | -5~70                                                                           | °C   |
| Storage Temperature                    | T         | -40~85                                                                          | °C   |
| Package Dimension                      |           | 100x15x10                                                                       | mm   |

Notice: Above specifications are tested at center wavelength without connector in room temperature @23 °C.

Pump and signal combiners are default without connector, bare fiber, if special request please contact us to confirm.

### Drawing:



### Ordering Information (Part Number):

| PMPS-C- <b>WWW</b> - <b>CCC</b> - <b>T</b> - <b>HHH</b> - <b>FFF/FFF</b> - <b>FFF/FFF</b> - <b>FFF/FFF</b> - <b>LL</b> |               |              |                                 |                       |                              |                           |                   |              |
|------------------------------------------------------------------------------------------------------------------------|---------------|--------------|---------------------------------|-----------------------|------------------------------|---------------------------|-------------------|--------------|
| <b>WWW</b>                                                                                                             | <b>CCC</b>    | <b>T</b>     | <b>HHH</b>                      | <b>FFF/FFF</b>        | <b>FFF/FFF</b>               | <b>FFF/FFF</b>            | <b>LL</b>         |              |
| Signal Wavelength                                                                                                      | Configuration | Pump Type    | Handling Power (Per Pump Input) | Input Pump Fiber Type | Input Signal Fiber Type (PM) | Output DC Fiber Type (PM) | Fiber Length      |              |
| 1030 - 1030nm                                                                                                          | 611 - (6+1)x1 | F - Forward  | 05 - 5W                         | 105/125 -             | PM98 - PM 980                | 6/125 - 6/125um           | 05 - 0.5m         |              |
| 1040 - 1040nm                                                                                                          |               | B - Backward | 10 - 10W                        | 105/125um             | 6/125 - 6/125um              | 10/125 - 10/125um         | 08 - 0.8m         |              |
| 1050 - 1050nm                                                                                                          |               | 25 - 25W     | 200/220 -                       | 10/125 - 10/125um     | 12/125 - 12/125um            | 12/125 - 12/125um         | 10 - 1.0m         |              |
| 1053 - 1053nm                                                                                                          |               | 50 - 50W     | 200/220um                       | 12/125 - 12/125um     | 15/125 - 15/125um            | 15/125 - 15/125um         | 15 - 1.5m         |              |
| 1060 - 1060nm                                                                                                          |               | 100 - 100W   | 20/125 - 20/125um               | 20/125 - 20/125um     | 20/200 - 20/200um            | 20/200 - 20/200um         | 20 - 2.0m         |              |
| 1064 - 1064nm                                                                                                          |               | 200 - 200W   | 25/250 - 30/250um               | 25/250 - 25/250       | 30/250 - 30/250um            | 30/250 - 30/250um         | 20/400 - 20/400um | SS - Specify |
|                                                                                                                        |               | SS - Specify | SS/SSS - Specify                | SS/SSS - Specify      | SS/SSS - Specify             | SS/SSS - Specify          |                   |              |