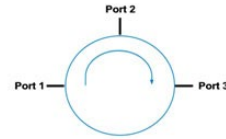


### Description:

Passive three-port devices that couple light from Port 1 to 2 and Port 2 to 3 and have high isolation in other directions. Available in 1310nm or 1550nm. Available with either PM1310 or PM1550 fiber.

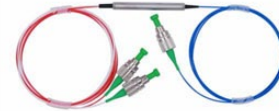
### Features:

- Small Package Size
- Low Insertion Loss
- Wide Band High Isolation
- Highly Stable and Reliable
- High Channel Isolation
- High Return Loss



### Applications:

- Fiber Laser
- Fiber Sensor
- Communication Systems
- Test Instrumentation
- Polarization Maintaining Optical Systems



### Specifications:

#### Performance Specifications:

| Parameter                     | Specification                      |
|-------------------------------|------------------------------------|
| Configuration                 | Port 1 to Port 2, Port 2 to Port 3 |
| Operating Wavelength (nm)     | 1310 or 1550                       |
| Bandwidth (nm)                | ± 30                               |
| Insertion Loss (@23°C) (dB)   | ≤ 1.0                              |
| Extinction Ratio (@23°C) (dB) | ≥ 18                               |
| Isolation (@23°C) (dB)        | ≥ 40                               |
| Return Loss (dB)              | ≥ 50                               |
| Fiber Type                    | PM1310 or PM1550                   |
| Crosstalk (dB)                | ≥ 50                               |
| Maximum Power Handling (mW)   | 300                                |
| Operating Temperature (°C)    | -5 ~ +50                           |
| Storage Temperature (°C)      | -40 ~ +85                          |
| Dimension (mm)                | ϕ 5.5 x 50L                        |

#### Note:

- 1) For device with connector, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower.
- 2) Specifications may change without notice.

| FCPM | - | X            | XX                | X                     | XX                | X                     | X                   | X                |
|------|---|--------------|-------------------|-----------------------|-------------------|-----------------------|---------------------|------------------|
|      |   | <b>Ports</b> | <b>Wavelength</b> | <b>Axis Alignment</b> | <b>Fiber Type</b> | <b>Fiber Diameter</b> | <b>Fiber Length</b> | <b>Connector</b> |
|      |   | 3=3 Ports    | 13=1310nm         | 1=Slow Axis Working   | 13=PM 1310        | 0=250um               | 0.05m               | 0=None           |
|      |   |              | 15-1550nm         | Fast Axis Blocked     | 15=PM 1550        | 9=900um               | 1=1.0m              | ST/UPC           |
|      |   |              |                   | 2= Both Axis Working  |                   | Y=Custom              | Y=Custom            | 6=SC/UPC         |
|      |   |              |                   |                       |                   |                       |                     | 7=FC/UPC         |
|      |   |              |                   |                       |                   |                       |                     | A=FC/APC         |
|      |   |              |                   |                       |                   |                       |                     | B=SC/APC         |
|      |   |              |                   |                       |                   |                       |                     | L=LC/UPC         |
|      |   |              |                   |                       |                   |                       |                     | N=LC/APC         |
|      |   |              |                   |                       |                   |                       |                     | Y=Custom         |