

# PM Tap Isolator Hybrid

## Features

- \*Low insertion loss
- \*High Return Loss
- \*High extinction ratio
- \*High Isolation
- \*Excellent stability and reliability

## Applications

- \* Fiber Lasers
- \* Fiber Sensors
- \* Compact Fiber Optical System

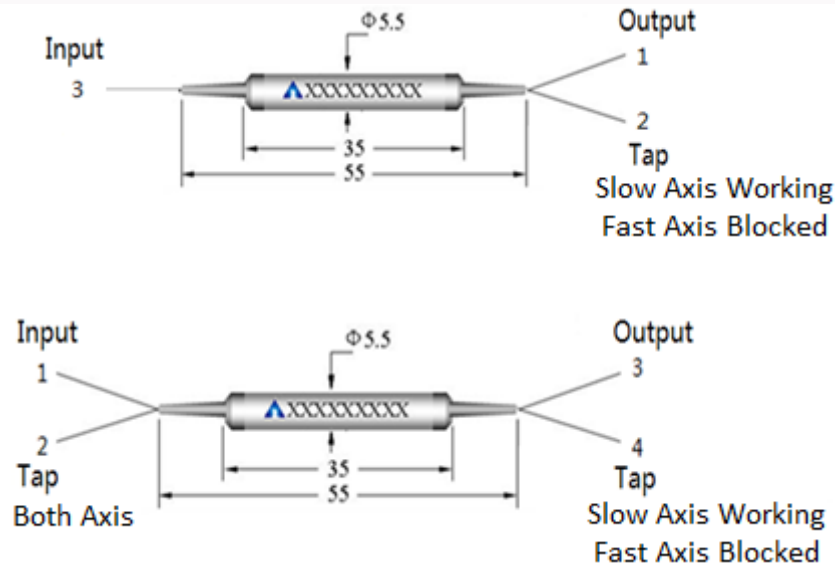


## Specifications

| Parameter                    | Unit | Value                    |                         |                          |                         |
|------------------------------|------|--------------------------|-------------------------|--------------------------|-------------------------|
| Port Number                  |      | 3 Ports                  |                         | 4 Ports                  |                         |
| Stage                        | -    | Single                   | Dual                    | Single                   | Dual                    |
| Operating Wavelength Range   | nm   | 1310+/-20,1550+/-20      |                         |                          |                         |
| Max. Insertion Loss          | dB   | 0.8(for 1%), 1.0(for 5%) | 1.0(for 1%),1.2(for 5%) | 1.1(for 1%), 1.3(for 5%) | 1.3(for 1%),1.5(for 5%) |
| Signal Tap Ratio             | %    | 1±0.2%, 5±1%, 50%        | 1±0.2%, 5±1%, 50%       | 1±0.2%, 5±1%, 50%        | 1±0.2%, 5±1%, 50%       |
| Typ. Peak Isolation          | dB   | 40                       | 52                      | 40                       | 52                      |
| Min. Isolation at 23℃        | dB   | 28                       | 45                      | 28                       | 45                      |
| Min. Extinction Ratio at 23℃ | dB   | 20                       |                         |                          |                         |
| Min. Return Loss             | dB   | 50                       |                         |                          |                         |
| Max. Optical Power(CW)       | mW   | 300                      |                         |                          |                         |
| Max. Tensile Load            | N    | 5                        |                         |                          |                         |
| Operating Temperature        | ℃    | 0~+70                    |                         |                          |                         |
| Storage Temperature          | ℃    | -40~+85                  |                         |                          |                         |

Remark: The Above specifications is without connector. IL is 0.3dB higher, RL is 5dB lower and ER is 2dB lower for each connector added. The default connector key is aligned to slow axis.

## Package Dimensions



## Ordering Information

| PMTAPI - A - B - C - D - E - F - G - H - I - J                |                                   |                                                                                                        |
|---------------------------------------------------------------|-----------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>A</b>                                                      | Port Number                       | 3=3 Ports, 4=4 Ports                                                                                   |
| <b>B</b>                                                      | Stage                             | S=Single Stage, D= Dual Stage                                                                          |
| <b>C</b>                                                      | Wavelength                        | 1310=1310nm, 1550=1550nm, S=Special                                                                    |
| <b>D</b>                                                      | Tap Ratio                         | 01=1/99, 02=2/98, 05=5/95, ....., 10=10/90, 20=20/80, 30=30/70, ..... 50=50/50, or others              |
| <b>E</b>                                                      | Fiber Type                        | PM1550, PM1310, S= Specified                                                                           |
| <b>F</b>                                                      | Pigtail Type                      | BF=bare fiber, 0.9=0.9mm loose tube                                                                    |
| <b>G</b>                                                      | Axis Alignment (Signal to Output) | F=Slow-Axis working, Fast axis blocked; S=Fast-Axis working, Slow axis blocked; B=Both of axis working |
| <b>H</b>                                                      | Connector Type                    | N=None, LC/UPC, LC/APC, SC/UPC, SC/APC, FC/UPC, FC/APC, etc                                            |
| <b>I</b>                                                      | Package Size                      | 5.5x35mm                                                                                               |
| <b>J</b>                                                      | Fiber length                      | 003=0.3m, 005=0.5m; 010=1.0m; 100=10m etc                                                              |
| For example: PMTAPI-D-1550-30-PM1550-BF-F-FC/APC*4-5.5x35-010 |                                   |                                                                                                        |