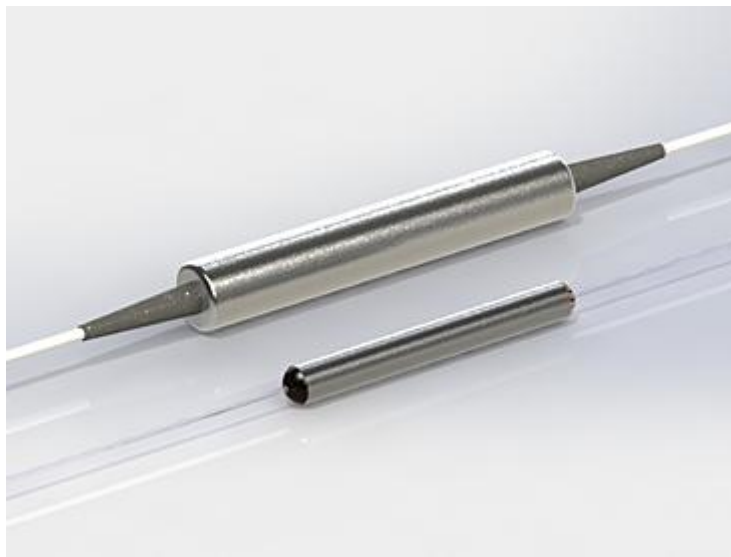


## **1033/1083nm Single-Mode Tapered Fiber**

### **Wavelength Division Multiplexer FC/APC**



- **Product Description**

Idealphotonics' optical communication tapered wavelength division multiplexing products feature low loss, low polarization-dependent loss, wide operating bandwidth, and temperature range, with glue-free optical paths. These products are ideal for use in wavelength division multiplexing systems, fiber optic sensing systems, and optical fiber detection equipment.

## ● Product features

Wide operating wavelength range & broad temperature range 、 Low insertion loss、 Minimal polarization-dependent loss and polarization mode dispersion、 Extremely high reliability and stability

## ● Part Number

MP-WDM-1033/1083-SA

## ● Application area

WDM systems、 Fiber optic sensing systems、 Fiber optic equipment、 Fiber lasers

## ● Core parameters

| Wavelength  | Isolation | Connector |
|-------------|-----------|-----------|
| 1033/1083nm | 16dB      | FC/APC    |

## ● Dimension Drawing



## ● General Parameters

### Parameters

|                       |      |                        |                   |           |
|-----------------------|------|------------------------|-------------------|-----------|
| Structure             | Unit | 1×2                    |                   |           |
| Type                  |      | Special Fused WDM(SFW) |                   |           |
| Operating wavelength  | nm   | 1434/1470              | 980/1060          | 1033/1083 |
| Operating bandwidth   | nm   | 1432-1435/1468-1471    | 975-985/1055-1065 | -         |
| Max insertion loss    | dB   | 0.30                   | 0.30              | 0.45      |
| Isolation             | dB   | ≥15.00                 | ≥16.00            | ≥18.00    |
| PDL                   | dB   | ≤0.10                  | ≤0.08             | ≤0.10     |
| Return loss           | dB   | ≥50.00                 |                   |           |
| Directivity           | dB   | ≥55.00                 |                   |           |
| Operating temperature | Deg. | -5-75                  |                   |           |
| Storage temperature   | Deg. | -40-85                 |                   |           |

|                |    |                                 |                              |
|----------------|----|---------------------------------|------------------------------|
| Fiber length   | m  | 1.00±0.10                       |                              |
| Fiber type     |    | SMF-28E/PM1550<br>Hi1060/PM 980 | SMF-28E/PM1550 Hi1060/PM 980 |
| Fiber diameter | um | 250/900                         | 900/2000/3000                |
| Package size   | mm | 3×54                            | 90×16×10                     |

**Note:**

\*.All indicators are without connectors and are only valid at the above wavelengths, polarization states and temperatures.

\*\*.Indicators are subject to change without prior notice.

## Ordering Information

MP-WDM-W□□□□ -☆-△-XX

W□□□□: Wavelength

3470:1434/1470nm

9810:980/1060nm

3383:1030/1083nm

☆: Pigtail Length

05: 0.5m

1: 1m



**10: 10m**

**△: Loose Tube**

**B: Bare Fiber**

**9: 900um Loose Tube**

**20: 2mm Loose Tube**

**30: 2mm Loose Tube**

**XX: Fiber and Connector Type**

**SA=Corning HI 1060 &SMF-28E+ FC/APC**

**SP= Corning HI 1060 &SMF-28E + FC/PC**