

## 1310nm 2CH PM Fiber Array

1310nm 2CH PM Fiber Array is a fiber optic product built with PM panda fiber, the PM fiber ribbon is arranged into the V-groove with horizontal or vertical axis alignment, the FA end face can be 0°, 7° or 8° (or customized) polished, it's widely used in MEMS systems, fiber optic sensor and silicon photonic field. FA channel can be customized upon request. FA with AR-Coating is also available.

### Application:

MEMS Systems  
Fiber Optic Sensor  
Silicon Photonic  
Lab And Research

### Features:

High Extinction Ratio  
Low Insertion Loss  
RoHs Compliant  
High Reliability



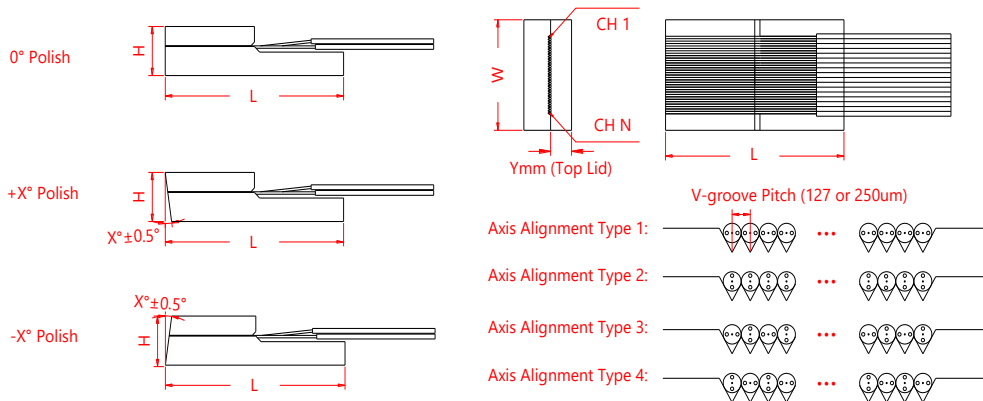
### Specification:

| Parameter                | Symbol          | Value                                   | Unit   |
|--------------------------|-----------------|-----------------------------------------|--------|
| Center Wavelength        | $\lambda$       | 1310                                    | nm     |
| Bandwidth                | BW              | $\pm 20$                                | nm     |
| Channel                  |                 | 2                                       | CH     |
| Max. Insertion Loss      | IL              | 0.3                                     | dB     |
| Min. Extinction Ratio    | ER              | 20                                      | dB     |
| Polish Angle             |                 | 0, 7, 8, 10 ( $\pm 0.5$ ) or Customized | Degree |
| V-groove Pitch           |                 | 127 or 250 ( $\pm 0.5$ )                | um     |
| Top Lid Thickness        |                 | 0, 0.1, 0.2, 0.5, 1                     | mm     |
| Axis Alignment           |                 | Horizontal or Vertical                  | -      |
| Axis Alignment Tolerance |                 | $\pm 2$                                 | Degree |
| Fiber Type               |                 | PM 1310 Panda fiber                     | -      |
| Operating Temperature    | T               | -20~75                                  | °C     |
| Storage Temperature      | T               | -40~85                                  | °C     |
| Package                  | for 127um Pitch | L9.5xW2.5xH2.5                          | mm     |
|                          | for 250um Pitch | L9.5xW2.5xH2.5                          | mm     |

Notice: Above specifications are tested at center wavelength with connectors in room temperature @23°C.

Slow axis is default aligned to the connector key.

### Drawing:



PMFA-**WWWW**-**CC**-**PP**-**TT**-**A**-**J**-**LL**-**CC**

PMFA-**WWWW**-**CC**-**PP**-**VVV**-**T**-**A**-**J**-**LL**-**CC**

| WWWW                            | CC                              | PP                                                                                                  | VVV                        | T                                                                              | A                                                    | J                                                  | LL                                                               | CC                                                                                                                  |
|---------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------|--------------------------------------------------------------------------------|------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Wavelength                      | Channel                         | Polish Angle                                                                                        | V-groove Pitch             | NE - None                                                                      | Axis Alignment                                       | Fiber Jacket                                       | Fiber Length                                                     | Connector                                                                                                           |
| 1310 - 1310nm<br>SSSS - Specify | 02 - 2 Channels<br>SS - Specify | 0D - 0°<br>P7 - +7°<br>N7 - -7°<br>P8 - +8°<br>N8 - -8°<br>P10 - +10°<br>N10 - -10°<br>SS - Specify | 127 - 127um<br>250 - 250um | 0 - None<br>Z1 - 0.1mm<br>Z2 - 0.2mm<br>Z5 - 0.5mm<br>01 - 1mm<br>SS - Specify | 1 - Type 1<br>2 - Type 2<br>3 - Type 3<br>4 - Type 4 | B - 250um<br>Bare Fiber<br>9 - 900mm<br>Loose Tube | 05 - 0.5m<br>10 - 1.0m<br>15 - 1.5m<br>20 - 2.0m<br>SS - Specify | NE - None<br>FA - FC/APC<br>FU - FC/UPC<br>SA - SC/APC<br>SU - SU/APC<br>LA - LC/APC<br>LU - LC/UPC<br>SS - Specify |