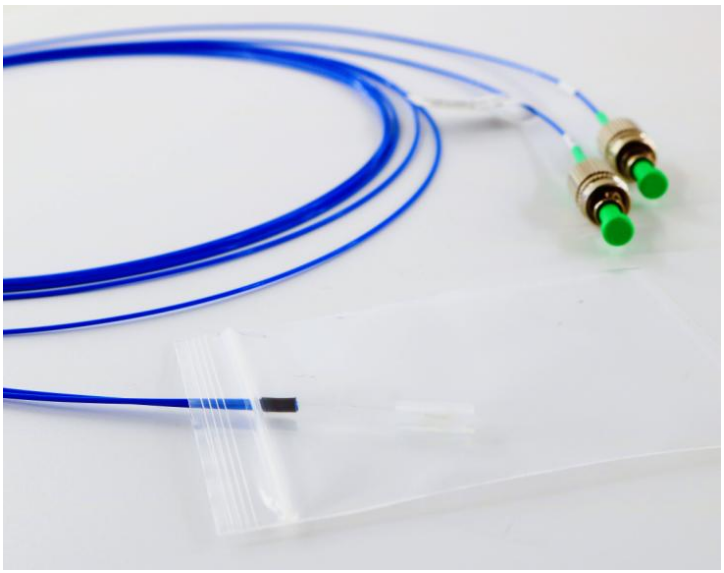
32 Channel Fiber Array



Product Description

Customized fiber arrays of different fiber types. The fiber types we currently support include single-mode, multi-mode, polarization maintaining. At the same time, we also accept customized fiber arrays with different fiber lengths. Thanks to our many years of processing experience, we can currently provide high-precision fiber grinding and alignment, and we can also glue the fibers together and grind and polish them together. Our high-precision alignment equipment can achieve a polarization-maintaining fiber alignment with an angle deviation better than 0.5deg, and our end-face observer can ensure that the end-face grinding quality meets special application fields, such as

interferometers. At the same time, our processing accuracy can reach a spacing as small as 5um. At the same time, we also customize different connectors for different application requirements of customers. Welcome to contact us for processing and customized fiber arrays.

Product features

Supports fiber types SM, MM, PM Fibers、 Any fiber length and spacing、 High precision and high reliability、 Low PDL and low insertion loss、 Compact structure

Part Number

MP-FAR-1×32-127-SMF-28-SA

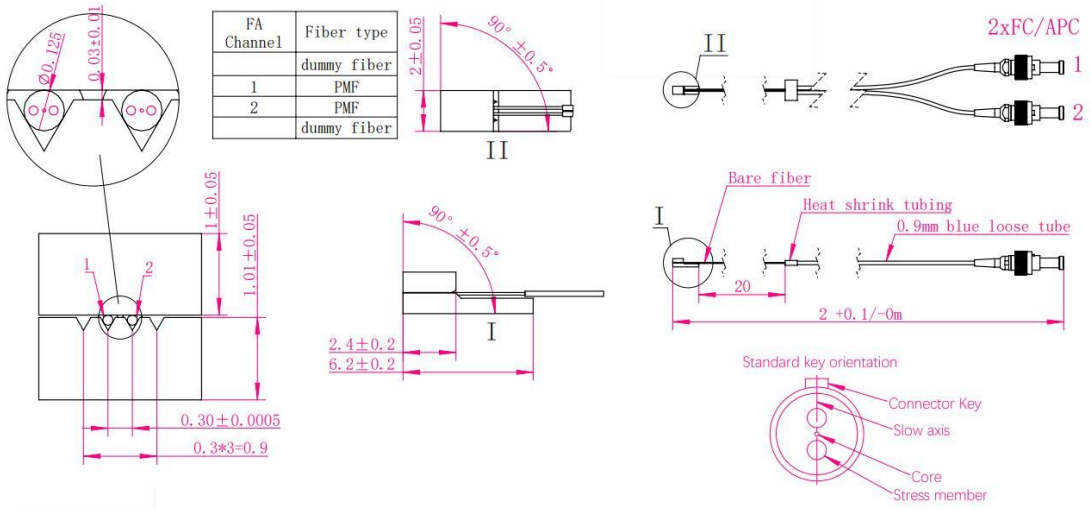
Application area

Fiber optic sensors 、 Optical switches 、 Interferometers 、 Splitters/combiners、 Integrated devices、 Waveguide coupling devices、 Multiplexers/demultiplexers

Core parameters

Fiber Spacing	Fiber Connector
127um	FC/APCm

Dimension Drawing

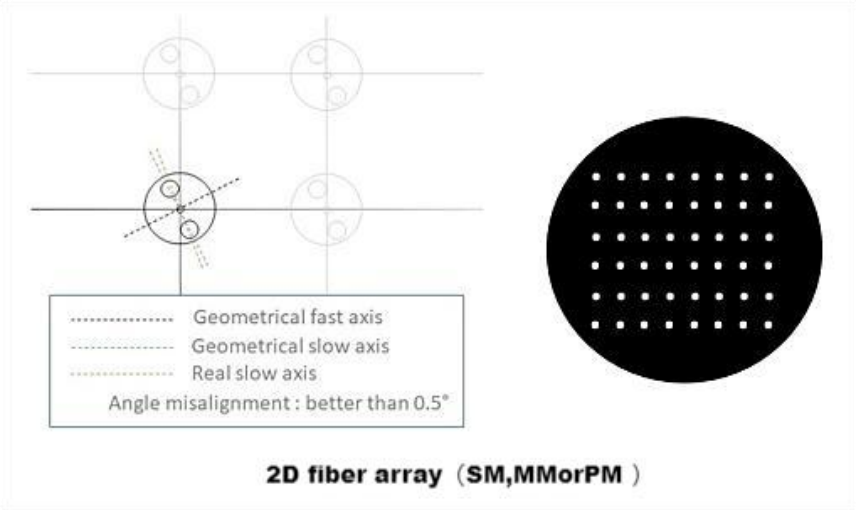


General Parameters

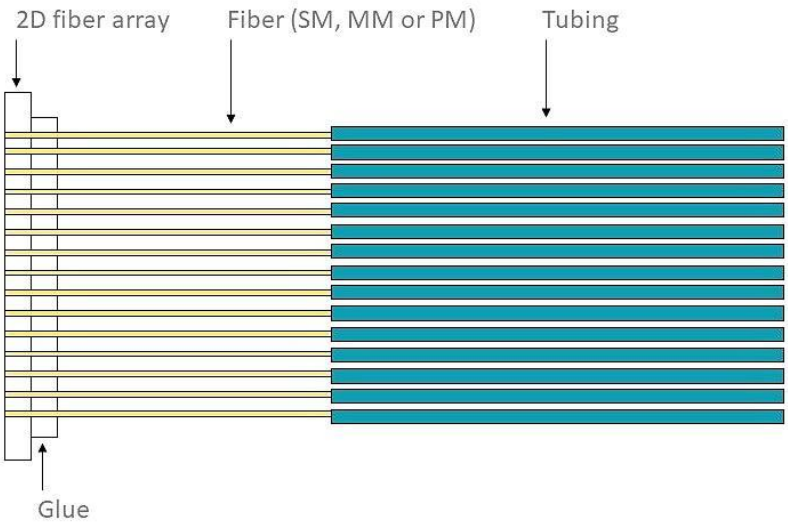
Main Parameters:

Array size	Customization
Fiber length	From a few centimeters to hundreds of meters
Fiber type	SMF,MMF,PMF or custom
Fiber spacing	Customized according to customer needs
Array position accuracy	+/- 1 um (x and Y axis)
Grinding angle	0° +/-0.5°,8°+/-0.5°, custom
Fiber connector type	FC,LC.SC,SMA , ST,MU,E2000,other

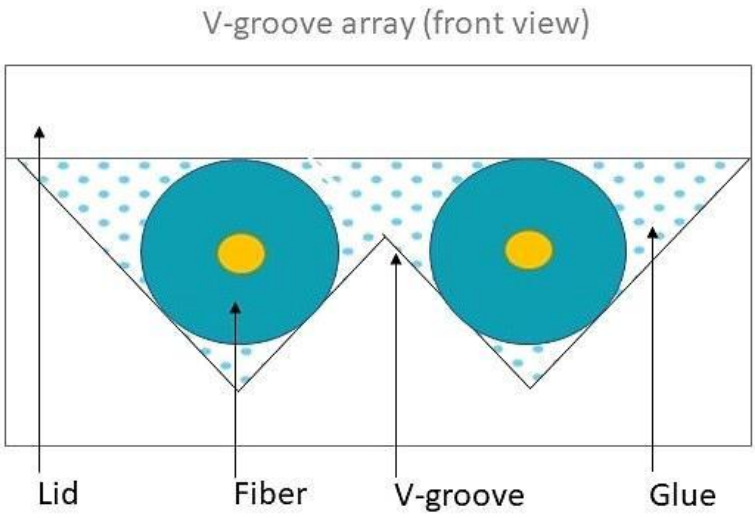
Fiber arrays are key components for connecting optical fibers to their waveguides for different applications. We provide unique assembly/cutting/polishing processes to obtain fiber core position accuracy with optimal polishing surface.



2D fiber array（SM,MMorPM ）



2D Fiber V-Groove Array



Part Number and ordering

Order Info	
MP-FRA- A□-G□□□-S○-Material▽-☆-△-XX A□: Polished Angle 0:0° 8:8° G□□□:Fiber spacing 1:1mm 2:2mm S○: Fiber Array Structure 12:1x2 22:2x2 65:6x5 56:5x6 Material▽: Q: Quartz S:SiO2 R: Semicircular tube F: Square tube	☆ : 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=SMF-28E+ FC/APC SP=SMF-28E+ FC/PC PA=PM Fiber+ FC/APC PP=PM Fiber+ FC/PC