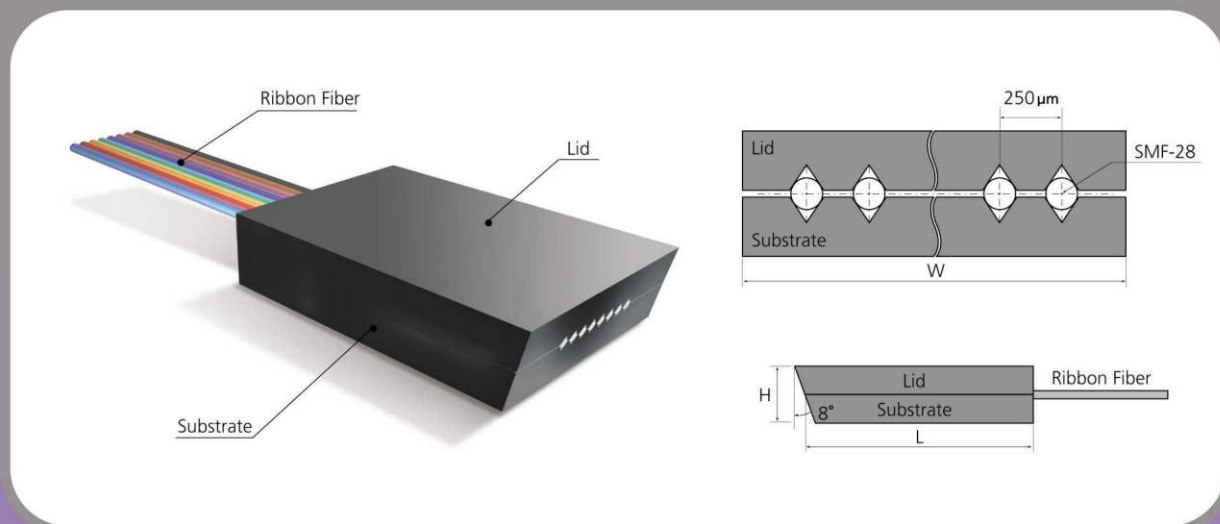


Fiber Arrays

Angle-Polished

Hantech manufactures fiber arrays (FA) for applications where precisely spaced fibers are to be aligned. Our FAs are made by etched silicon for both substrate and lid.

The precisely polished FA assures stable performance even at hostile environment. If high hermeticity or performance are required, fibers can be metallized or AR coated with our proven technology.



Features

- Accurate fiber pitch positions and linearity
- Four-point contacts keeping vertical uniformity
- Excellent reliability by silicon on silicon in same size
- Low insertion loss (SMF-28)

Applications (Packaging for)

- WDM components
- Splitters, AWGs, VOAs, etc.
- Active array devices (lasers, detectors)

Specifications

Model	FAA-1	FAA-2	FAA-4	FAA-8	FAA-16	FAA-32	FAA-40	FAA-64	Tolerance
No. of Fiber	1	2	4	8	16	32	40	64	-
Pitch	250 / 127 μm								± 0.5 μm
Vertical Linearity	-								± 0.5 μm
Polishing Angle	0 or 8°								± 0.3°
Width (W) ¹	3	3	4	4	6	10	12	18	± 0.1 mm
Length & Height (L / H) ¹	7.5 / 2.02 mm								± 0.1 mm
Materials (block / lid)	Silicon / Silicon								-
Materials of Fiber	Corning SMF-28 Ribbon								-
(SMF-28) Insertion Loss	< 0.5 dB typical / ch.								-

NOTE : 1. Customization available.