



Fiber Array (FA)

Rev 11

Description

AFR Fiber Arrays are fabricated with high precision V-Groove substrate to achieve an excellent accuracy of fiber core position and high quality of polish surface. AFR provides high quality Fiber Array to meet customers' various demands with low insertion loss, high return loss and compact dimension.

Key Features

- Compact Dimension
- High Return Loss
- Low Insertion Loss

Applications

- Integrated Fiber Optic Components

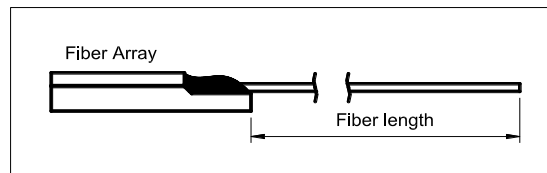
Specifications

Parameter	Unit	Value
Wavelength	nm	980, 1060, 1310, 1480 or 1550
Typ. Insertion Loss	dB	0.10
Max. Insertion Loss	dB	0.20
Max. Optical Power (Continuous Wave)	mW	300
Fiber Length Tolerance	%	± 10 or specify
Min. Extinction Ratio for PM Fiber	dB	23
Operating Temperature	°C	- 5 to + 70
Storage Temperature	°C	- 40 to + 85

¹IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. for 980/1060 nm, IL will increase by an additional 0.1 dB.

²Connector key is aligned to slow axis.

Package Dimensions



Ordering Information

FA-①①-②②②②-③-④-⑤-⑥-⑦-⑧-⑨

①①: Fiber Count

01 - 1 Channel

02 - 2 Channel

S - Specify

②②②②: AR-Coating

0000 - NO Coating

9806 - R < 0.30 % @ 980 nm & 1060 nm ± 20 nm

3155 - R < 0.25 % @ 1310 nm & 1550 nm ± 40 nm

SSSS - Specify

③: Material Type

1 - Borosilicate

2 - Fused Silica

3 - Silicon

S - Specify

④: Port Spacing

1 - 127 nm

2 - 165 μm

3 - 250 μm

S - Specify

⑤: Polishing Angle

0 - 0°

8 - 8°

S - Specify

⑥: Fiber Length

1 - 1 m

S - Specify

⑦: Fiber Type

F - SM Fiber

P - PM Fiber

S - Specify

⑧: FAU Thickness

1 - 1.0 - 1.49 mm

2 - 1.50 - 1.99 mm

S - Specify

⑨: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

5 - LC/UPC

6 - LC/APC

N - None

S - Specify