A fiber collimator array capable of 100ch or more

A GI lens mounted at the fiber tip ensures parallel output light as a quality collimator.

- Capable of arrays of 100ch or more
- Single-mode/Multi-mode
- Can be adapted to high heat-resistant structures
- Disconnection prevention and protection structure
- Rigid type for outstanding handling
- Compact
- Excellent versatility

### Specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>Single-mode: SFC</th>
<th>Multi-mode: MFC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SFC</td>
<td>127μm 250μm 500μm 250μm 500μm</td>
<td></td>
</tr>
<tr>
<td>MFC</td>
<td>1 – 48 1 – 48 1 – 48</td>
<td></td>
</tr>
<tr>
<td>Beam waist position</td>
<td>0.5mm 2.5mm 7.0mm 0.3mm 1.0mm</td>
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</tr>
<tr>
<td>Beam waist diameter</td>
<td>50μm 80μm 170μm 90μm 165μm</td>
<td></td>
</tr>
<tr>
<td>Insertion loss</td>
<td>≤0.5dB ≤0.5dB</td>
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<tr>
<td>Return loss</td>
<td>25dB or more (with AR coating), 45dB or more (angle-polished)</td>
<td></td>
</tr>
<tr>
<td>Lens End Face Angle</td>
<td>Flat-polished, angle-polished (octagonal packing)</td>
<td></td>
</tr>
<tr>
<td>Wavelength Used</td>
<td>1310nm, 1550nm 850nm, 1310nm, 1550nm</td>
<td></td>
</tr>
<tr>
<td>Optical Fiber</td>
<td>SMF, PMF (strand diameter 250μm) MMF, G950 50/125μm, NA0.2 (strand diameter 250μm)</td>
<td></td>
</tr>
<tr>
<td>Connector</td>
<td>FC, SC, ST, MU, LC</td>
<td></td>
</tr>
</tbody>
</table>

Note: The beam waist diameter and beam waist position are design values, and may not meet the specifications that have been specified. Specifications other than the above can also be custom-designed. Please contact our International Sales Division for more information.

### Specifying Part Numbers

- Type: 
  - SFC: Single-mode
  - MFC: Multi-mode
- Number of Fiber Strands: 
  - 01: 1
  - 04: 4
  - 08: 8
  - 16: 16
  - 32: 32
  - 48: 48
- Array Pitch: 
  - 127: 12μm(SFC)
  - 250: 250μm
  - 500: 500μm
- Beam waist diameter: 
  - 50: 50μm(SFC)
  - 80: 80μm(SFC)
  - 90: 90μm(MFC)
  - 165: 165μm(MFC)
  - 170: 170μm(SFC)
- Beam waist position: 
  - 0.3: 0.3mm(MFC)
  - 0.5: 0.5mm(SFC)
  - 1.0: 1.0mm(MFC)
  - 2.5: 2.5mm(SFC)
  - 7.0: 7.0mm(SFC)
- Polished Angle: 
  - 0: Flat
  - 8: Angle-polished (octagonal packing)
- Connector Type: 
  - FC: FC connector
  - SC: SC connector
  - ST: ST connector
  - MU: MU connector
  - LC: LC connector
  - 0: No connector
- Fiber Type: 
  - SMF: SMF, 2m (SFC)
  - PMF: PMF, 1m (SFC)
  - 02: 2m(MFC)
  - 10: 10m(MFC)