# High Temperature Pigtailed Fiber Collimators

High temperature pigtailed collimators can operate from -40℃ to +220℃ with special design, technology and materials. Each collimator must be tested for 48h at 220℃ before sending to customers, which ensures the reliability of the device working in a high temperature environment for a long time.

## 1310~1650nm SM High Temperature Pigtailed Fiber Collimators

| Wavelength (nm) | Band width (nm) | Working Distance (mm) | Output beam Size (mm) | Div. (mrad) | Diameter (mm) | Insert Loss | Return Loss (dB) | Mode-Field Dia. | Fiber Type |
|---|---|---|---|---|---|---|---|---|---|
| 1310 | ±20 | ≤300 | 0.81 | 2.3 | Ø3.4 | ≤0.6 | ≥55 | 9.2±0.4μm | 9/125 Polyimide coating |
| 1310 | ±20 | 300-1000 | 1.27 | 1.7 | Ø3.4 | ≤0.9 | ≥55 | | |
| 1550 | ±20 | ≤300 | 0.92 | 2.4 | Ø3.4 | ≤0.6 | ≥55 | 10.4±0.5μm | |
| 1550 | ±20 | 300-1000 | 1.45 | 1.4 | Ø3.4 | ≤0.9 | ≥55 | | |
| 1650 | ±20 | <300 | 0.96 | 2.4 | Ø3.4 | <0.6 | ≥55 | 10.4±0.5μm | |
| 1650 | ±20 | 300-1000 | 1.5 | 1.4 | Ø3.4 | <0.9 | ≥55 | | |

## 1310~1650nm Multi-mode High Temperature Pigtailed Fiber Collimators

| Wavelength (nm) | Band width (nm) | Working Distance (mm) | Output beam Size (mm) | Div. (mrad) | Diameter (mm) | Insert Loss | Return Loss (dB) | Mode-Field Dia. | Fiber Type |
|---|---|---|---|---|---|---|---|---|---|
| 1310 | ±20 | 10 | 0.6 | 20 | Ø3.4 | ≤0.5 | ≥30 | 50±2.5um | 50/125 Polyimide coating |
| 1550 | ±20 | 10 | 0.6 | 20 | Ø3.4 | ≤0.5 | ≥30 | | |
| 1310 | ±20 | 10 | 0.75 | 24 | Ø3.4 | ≤0.6 | ≥30 | 62.5±2.5um | 62.5/125 Polyimide coating |
| 1550 | ±20 | 10 | 0.75 | 24 | Ø3.4 | ≤0.6 | ≥30 | | |





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