

## 单模光纤消色差准直器

(1064nm 焦距 10.03mm 束腰直径 2.0mm FC/APC)



### 产品描述

消色差准直器将光纤出射的发散光束进行整形处理，使光束在一定距离范围内具备良好的准直效果和光斑形状。高精度，设计灵活，适用于各种光学实验和设备校准。

### 产品特点

超宽带色差校正；高准直精度；低插入损耗；精密机械结构；特殊镀膜工艺

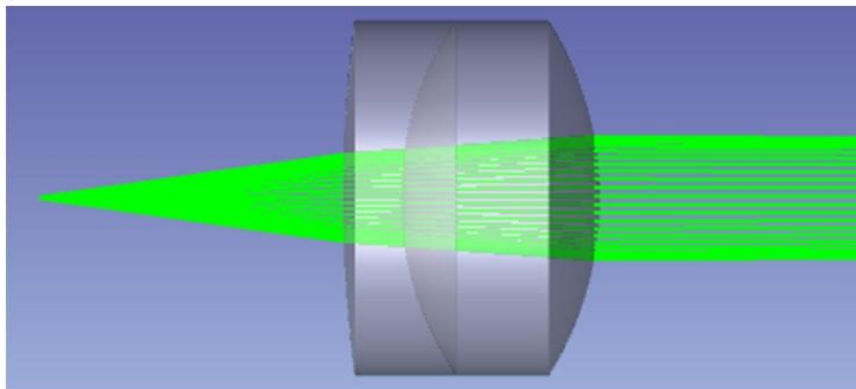
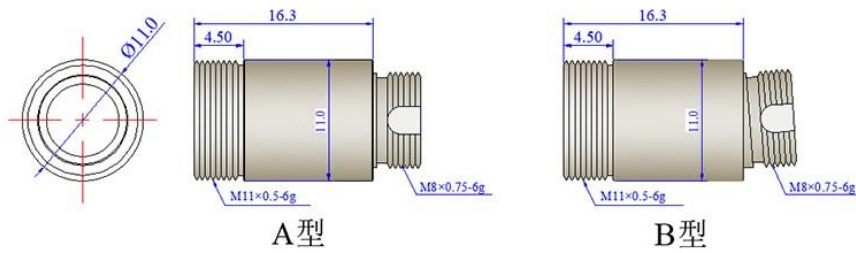
### 应用领域

超快激光系统 | 光谱分析仪器 | 量子光学实验 | 精密测量 | 空间光通信

### 核心参数

| 工作波长   | 工作带宽        | 束腰直径  | 有效焦距    |
|--------|-------------|-------|---------|
| 1064nm | 1050~1700nm | 2.0mm | 10.03mm |

## 尺寸图



## 详细参数

| 波长    | 带宽    | 束腰     | 发散角         | 有效<br>焦距 | 数值孔<br>径 | 封装<br>直径 | 光纤<br>类型 | Max.功<br>率                    | 接头    | 透<br>光 |
|-------|-------|--------|-------------|----------|----------|----------|----------|-------------------------------|-------|--------|
| 405nm | ±30nm | 0.97mm | 0.062+0.01° | 4.06mm   | 0.61     | Φ11mm    | 405HP    | 2W/m <sup>2</sup> @ Beam Size | FC/PC | >95%   |
|       |       | 2.0mm  | 0.03+0.01°  | 10.05mm  | 0.37     |          |          |                               |       |        |
|       |       | 3.7mm  | 0.021+0.01° | 15.96mm  | 0.25     |          |          |                               |       |        |
|       |       | 3.95mm | 0.015+0.01° | 19.95mm  | 0.2      |          |          |                               |       |        |
| 450nm | ±30nm | 0.96mm | 0.06+0.01°  | 4.10mm   | 0.6      | Φ11mm    | 460HP    |                               |       |        |
|       |       | 2.0mm  | 0.028+0.01° | 10.07mm  | 0.37     |          |          |                               |       |        |

|           |           |            |                 |             |      |               |           |  |  |  |
|-----------|-----------|------------|-----------------|-------------|------|---------------|-----------|--|--|--|
|           |           | 3.6<br>mm  | 0.020+<br>0.01° | 15.98<br>mm | 0.25 |               |           |  |  |  |
|           |           | 3.95<br>mm | 0.014+<br>0.01° | 19.96<br>mm | 0.2  |               |           |  |  |  |
| 520n<br>m | ±<br>30nm | 0.92<br>mm | 0.059+<br>0.01° | 4.15<br>mm  | 0.6  | Φ<br>11m<br>m |           |  |  |  |
|           |           | 2.0<br>mm  | 0.025+<br>0.01° | 10.09<br>mm | 0.37 |               |           |  |  |  |
|           |           | 3.2<br>mm  | 0.019+<br>0.01° | 15.98<br>mm | 0.25 |               |           |  |  |  |
|           |           | 3.95<br>mm | 0.014+<br>0.01° | 19.97<br>mm | 0.2  |               |           |  |  |  |
| 635n<br>m | ±<br>30nm | 0.87<br>mm | 0.056+<br>0.01° | 4.20<br>mm  | 0.58 | Φ<br>11m<br>m | 630<br>HP |  |  |  |
|           |           | 2.0<br>mm  | 0.024+<br>0.01° | 10.15<br>mm | 0.37 |               |           |  |  |  |
|           |           | 3.12<br>mm | 0.019+<br>0.01° | 16.01<br>mm | 0.25 |               |           |  |  |  |
|           |           | 3.95<br>mm | 0.014+<br>0.01° | 20m<br>m    | 0.2  |               |           |  |  |  |
| 780n<br>m | ±<br>30nm | 1.95<br>mm | 0.031+<br>0.01° | 10.04<br>mm | 0.37 | Φ<br>11m<br>m | 780<br>HP |  |  |  |
|           |           | 3.49<br>mm | 0.020+<br>0.01° | 16.0<br>mm  | 0.24 |               |           |  |  |  |
|           |           | 4.4<br>mm  | 0.015+<br>0.01° | 20.03<br>mm | 0.2  |               |           |  |  |  |
| 850n<br>m | ±<br>30nm | 2.0<br>mm  | 0.030+<br>0.01° | 10.05<br>mm | 0.37 | Φ<br>11m<br>m | 780<br>HP |  |  |  |
|           |           | 3.47<br>mm | 0.020+<br>0.01° | 16.01<br>mm | 0.24 |               |           |  |  |  |
|           |           | 3.95<br>mm | 0.016+<br>0.01° | 20.03<br>mm | 0.2  |               |           |  |  |  |

|        |             |        |             |         |      |       |         |
|--------|-------------|--------|-------------|---------|------|-------|---------|
| 980nm  | 600~1050nm  | 2.0mm  | 0.035+0.01° | 10.07mm | 0.37 | Φ11mm | 980HP   |
|        |             | 3.39mm | 0.024+0.01° | 16.03mm | 0.24 |       |         |
|        |             | 4.23mm | 0.018+0.01° | 20.05mm | 0.2  |       |         |
| 1064nm | 1050~1700nm | 2.0mm  | 0.038+0.01° | 10.03mm | 0.37 | Φ11mm | Hi1060  |
|        |             | 3.51mm | 0.032+0.01° | 15.97mm | 0.24 |       |         |
|        |             | 3.9mm  | 0.026+0.01° | 19.97mm | 0.2  |       |         |
| 1310nm | 1050~1700nm | 2.0mm  | 0.053+0.01° | 10.07mm | 0.37 | Φ11mm | Smf-28e |
|        |             | 2.91mm | 0.036+0.01° | 16.01mm | 0.24 |       |         |
|        |             | 3.62mm | 0.028+0.01° | 20.0mm  | 0.2  |       |         |
| 1550nm | 1050~1700nm | 2.0mm  | 0.06+0.01°  | 10.11mm | 0.37 | Φ11mm |         |
|        |             | 3.14mm | 0.039+0.01° | 16.08mm | 0.24 |       |         |
|        |             | 3.55mm | 0.031+0.01° | 20.07mm | 0.2  |       |         |
| 1654nm | 1050~1700nm | 2.0mm  | 0.06+0.01°  | 10.14mm | 0.37 | Φ11mm |         |
|        |             | 3.2mm  | 0.036+0.01° | 16.15mm | 0.24 |       |         |
|        |             | 3.65mm | 0.029+0.01° | 20.12mm | 0.2  |       |         |