

## 空芯反谐振光纤 Hollow-core anti-resonant fiber

### 产品描述

#### Product description

我们提供石英基反谐振型空芯光纤的定制与生产服务，设计低损传输窗口可覆盖深紫外至中红外波段。

We provide customized and production services of quartz based hollow-core anti-resonance fiber. The low loss transmission window can be designed to cover deep ultraviolet to mid infrared band.

### 产品特点

#### Product characteristics

低传输损耗

Low transmission loss

低模式色散

Low mode dispersion

低非线性

Low mode dispersion

宽传输带宽

Wide transmission window

准单模

Quasi single mode

高激光损伤阈值

High laser damage threshold

### 产品应用

#### Product application

高功率激光传能

High power laser energy transfer

超快激光脉冲压缩与传输

Ultrafast laser pulse compression and transmission

光纤传感和光纤通信

Optical fiber sensing and optical fiber communication

极端波长传输

Extreme wavelength transmission

气体非线性研究

Gas nonlinearity research

## 产品规格

### Fiber specifications

#### 光学特性 Optical specifications

Working wavelength	1064 nm	1500 nm
Transmission band	900-1350 nm	1235-1650 nm
Transmission loss	48 dB/km	24 dB/km

#### 物理特性 Physical properties

Core diameter	35 $\mu\text{m}$	47 $\mu\text{m}$
Cladding diameter	142 $\mu\text{m}$	243 $\mu\text{m}$

